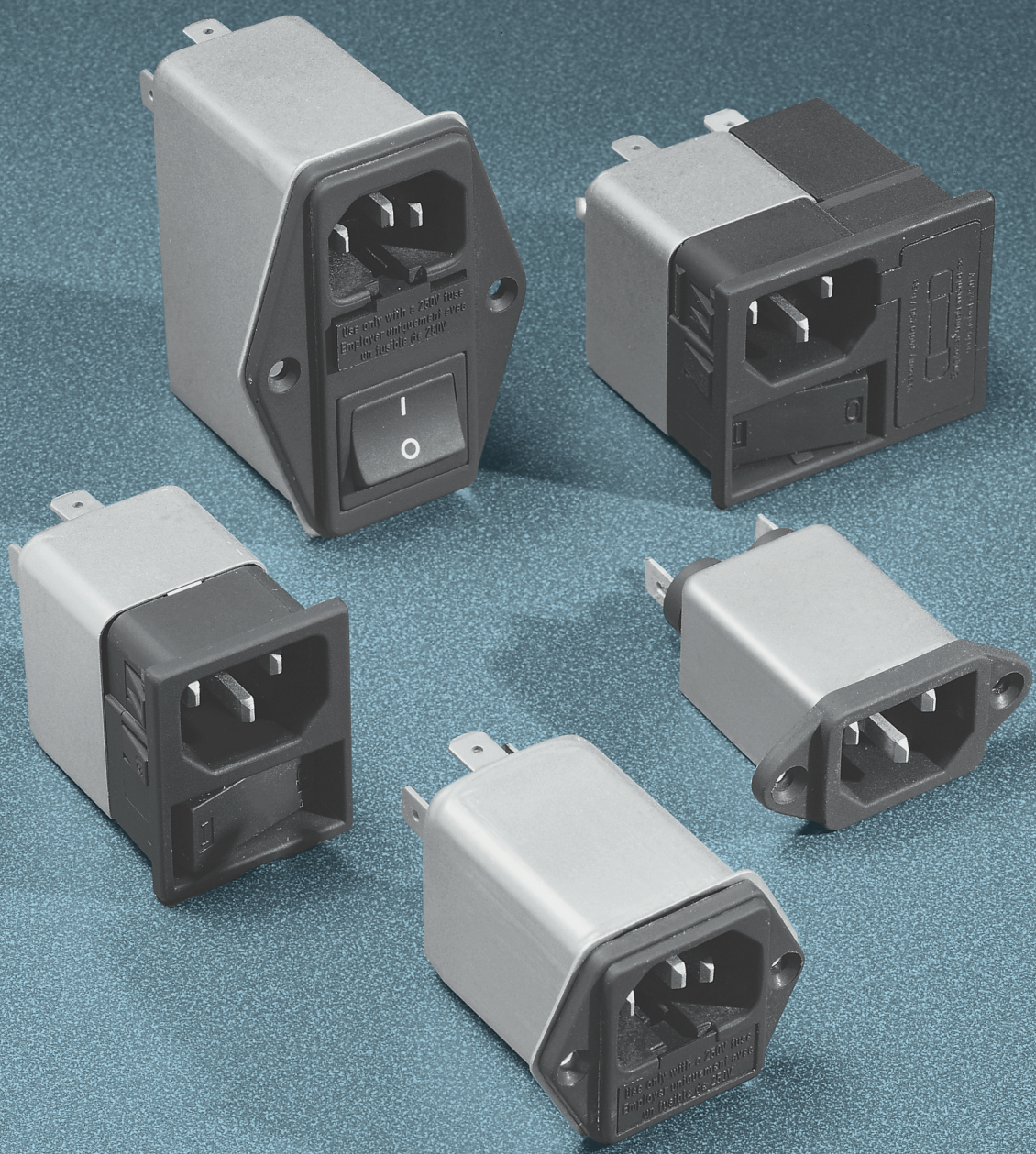
FILTERED POWER ENTRY MODULES
EMI/RFI FILTERS



ISO 9002
REGISTERED FIRM

With an extensive line of Power Entry Modules, PDI can meet most performance and design specifications. Our power entry modules include models with interchangeable 5x20mm or 3 AG size fuse holders, voltage select switches, one or two-pole power switches, and 1, 2, 3, 4, 6, and 10 Amp versions. All models are available in a compact design to conserve board space. PDI Power Entry Modules carry relevant international safety approvals, including .

PDI®
Power Dynamics, Inc.

Radio Frequency Interference (RFI) and Electromagnetic Interference (EMI):

THE CAUSES AND CURES:

Electronic equipment never operates in total isolation. Every product, from the simplest appliance to the most sophisticated mainframe computer, is subject to environmental factors that can cause failure or marginal performance. Two of the most common of these conditions are radio frequency interference (RFI) and electromagnetic interference (EMI).

RFI and EMI are emitted by most electrical and electronic equipment. They consist of the radiation or conduction of radio frequency or magnetic energy generating electronic noise or static that can interfere with the operation of adjacent equipment. EMI/RFI sources include switching power supplies, relays, motors and other components, as well as such equipment as computers, computing devices and word processors, electronic printers, medical systems, industrial controls and most other equipment using digital circuits. Frequency levels within 10 Hz to 30 MHz (conducted) and 30 MHz to 1 GHz (radiated) are considered to be of most concern.

Radiated RFI and EMI are transmitted by the component or equipment directly into the environment. This condition can usually be controlled by enclosing the equipment in a proper metallic shield. Conducted RFI and EMI, however, are released through the power line cord of the components or equipment where they can then escape into the surrounding AC power line network. Obviously, this can adversely affect other devices in the same building. Conducted RFI and EMI can be attenuated to satisfactory levels with the inclusion of a power line filter. The filter will suppress noise by reducing EMI/RFI to acceptable levels. It will also reduce susceptibility to incoming power line noise as well.

PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

LEGAL REQUIREMENTS & FCC REGULATIONS.

The Federal Communications Commission (FCC) mandates the maximum EMI voltage that digital equipment with operating frequencies above 10kHz can generate in both residential and commercial environments. (See chart) Class B equipment must be certified by submitting emission test data results to the FCC for type approval, while Class A equipment requires a verification of compliance by the manufacturer.

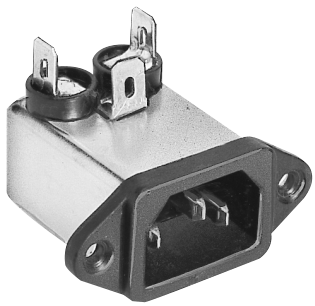
However, in the final analysis OEMs must assume the responsibility of protecting their own equipment from incoming as well as outgoing EMI/RFI at the point of manufacture. Aside from ensuring product reliability and quality, this is a practical means of enhancing product performance and reducing user complaints and warranty service.

Additional information can be obtained from the FCC, RF Devices Branch, 445 12th Street SW, Washington, DC 20554.

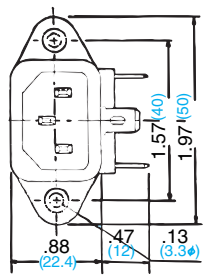
APPLICATION	FCC	EMI LIMITS	CERTIFICATION
RESIDENTIAL	CLASS B	RESTRICTIVE	DATA SUBMITTAL TYPE APPROVAL
COMMERCIAL CERTIFICATION	CLASS A	MORE LIBERAL	SELF

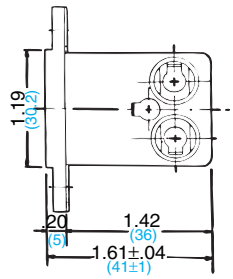
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PA01F
PA03F
PA06F
PA10F

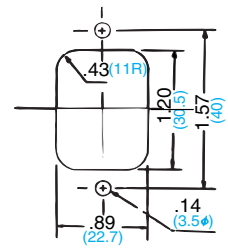


DIMENSIONS





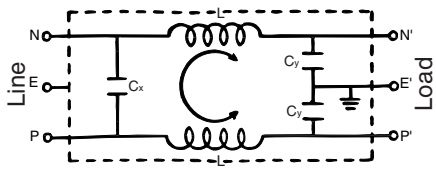
PANEL CUT-OUT



BACK OF PANEL

Approvals:

Circuit



FEATURES

- General purpose filter with IEC Connector providing effective line-to-ground noise up to 10 amp., 250 VAC
- Low cost
- Compact design
- Low leakage current: less than 0.5mA max
- .250" Quick Connect terminals

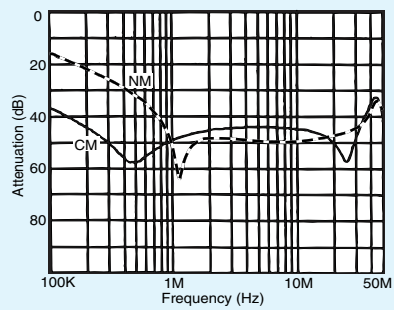
APPLICATIONS

- Digital electronic equipment, measuring and control equipment, small electronic equipment and peripherals, etc.
- Where space is at a premium and a small filter package is required

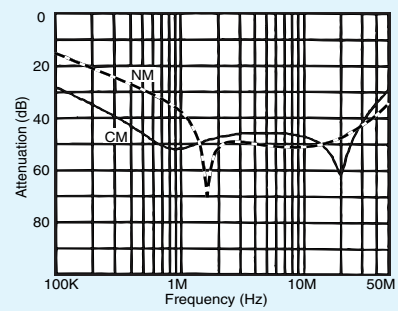
PART NO.	L(mH) x 2	Cx (µF)	Cy (pF) x 2
PA01F	3.7	0.1	3300
PA03F	1.8	0.1	3300
PA06F	0.7	0.1	3300
PA10F	0.3	0.1	3300

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

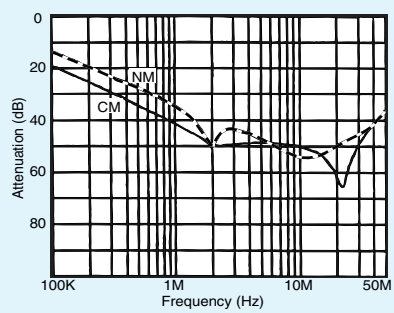
PA01F (1 AMP)



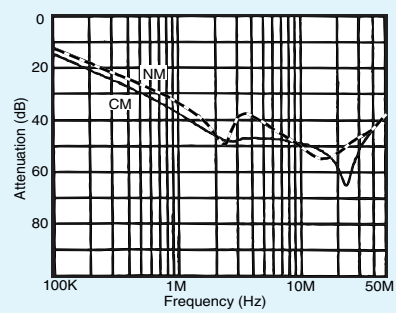
PA03F (3 AMP)



PA06F (6 AMP)



PA10F (10 AMP)



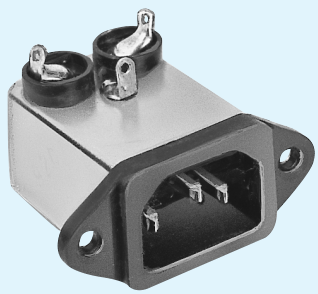
SPECIFICATIONS

MODEL NO.		PA01F	PA03F	PA06F	PA10F
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		30°C MAX	30°C MAX	30°C MAX	30°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.60 ~ 45 MHz	0.80 ~ 50 MHz	1.00 ~ 50 MHz	1.00 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 40MHz	0.20 ~ 40 MHz	0.50 ~ 50 MHz	0.70 ~ 50 MHz

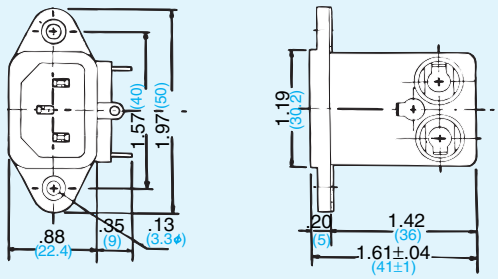
Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
See pages 129-140 for mating power cords.

PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

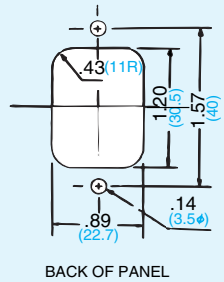
PA01S
PA03S
PA06S
PA10S



DIMENSIONS



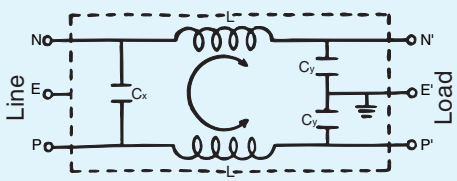
PANEL CUT-OUT



BACK OF PANEL

Approvals:

Circuit



FEATURES

- General purpose filter with IEC Connector providing effective equipment protection of line-to-ground noise up to 10 amp., 250 VAC
- Low cost
- Compact design
- Low leakage current: less than 0.5mA max
- Solder terminals

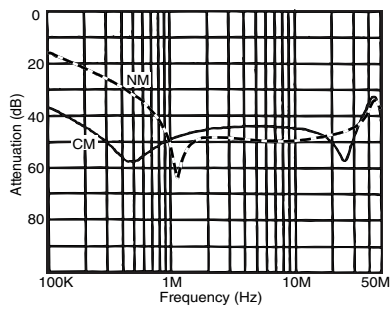
APPLICATIONS

- Digital electronic equipment, measuring and control equipment, small electronic equipment and peripherals, etc.

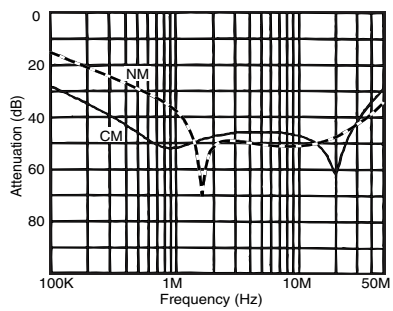
PART NO.	L(mH) x 2	Cx (μF)	Cy (pF) x 2
PA01S	3.7	0.1	3300
PA03S	1.8	0.1	3300
PA06S	0.7	0.1	3300
PA10S	0.3	0.1	3300

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

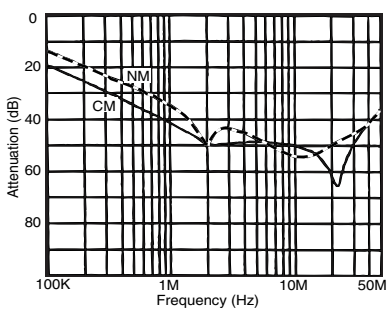
PA01S (1 AMP)



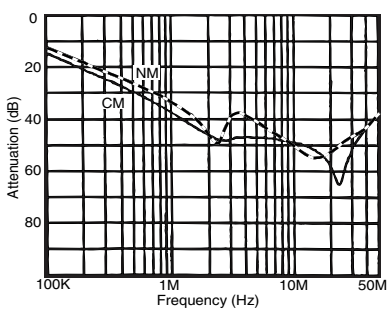
PA03S (3 AMP)



PA06S (6 AMP)



PA10S (10 AMP)



SPECIFICATIONS

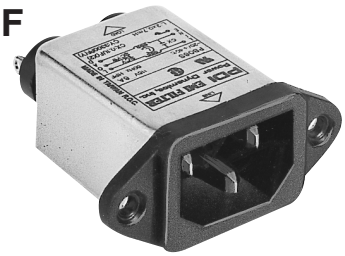
MODEL NO.		PA01S	PA03S	PA06S	PA10S
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		30°C MAX	30°C MAX	30°C MAX	30°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.60 ~ 45 MHz	0.80 ~ 50 MHz	1.00 ~ 50 MHz	1.00 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 40MHz	0.20 ~ 40 MHz	0.50 ~ 50 MHz	0.70 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
See pages 129-140 for mating power cords.

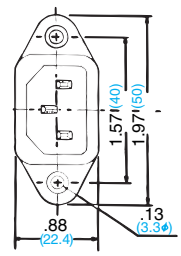
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Power Dynamics, Inc.

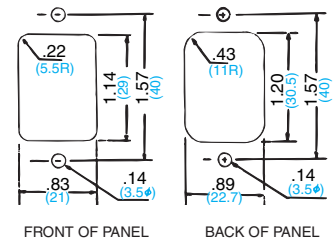
PB01F
PB03F
PB06F
PB10F



DIMENSIONS

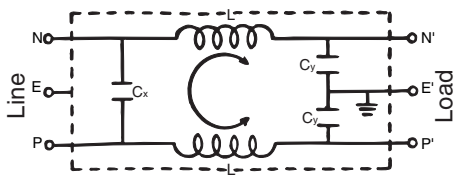


PANEL CUT-OUT



Approvals:

Circuit



FEATURES

- General purpose filter with IEC Connector providing effective equipment protection of line-to-ground noise up to 10 amp., 250 VAC
- Low cost
- Compact design
- Low leakage current: less than 0.5mA max
- .250" Quick Connect terminals

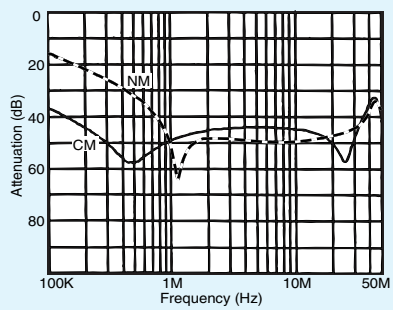
APPLICATIONS

- Digital electronic equipment, measuring and control equipment, small electronic equipment and peripherals, etc.

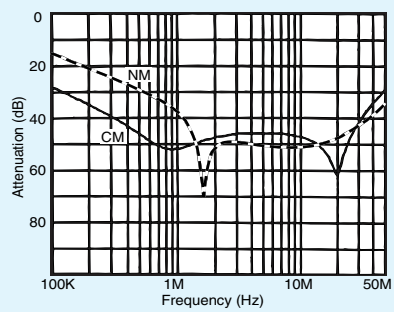
PART NO.	L(mH) x 2	Cx (µF)	Cy (pF) x 2
PB01F	3.7	0.1	3300
PB03F	1.8	0.1	3300
PB06F	0.7	0.1	3300
PB10F	0.3	0.1	3300

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

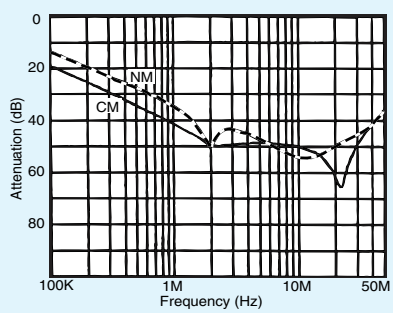
PB01F (1 AMP)



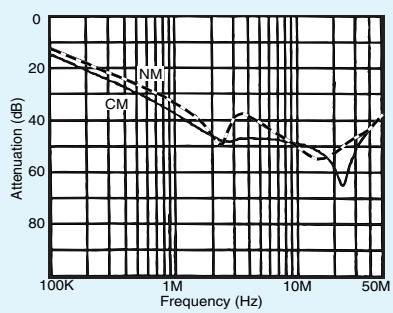
PB03F (3 AMP)



PB06F (6 AMP)



PB10F (10 AMP)



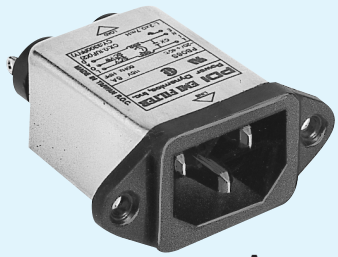
SPECIFICATIONS

MODEL NO.		PB01F	PB03F	PB06F	PB10F
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		30°C MAX	30°C MAX	30°C MAX	30°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.60 ~ 45 MHz	0.80 ~ 50 MHz	1.00 ~ 50 MHz	1.00 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 40MHz	0.20 ~ 40 MHz	0.50 ~ 50 MHz	0.70 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
See pages 129-140 for mating power cords.

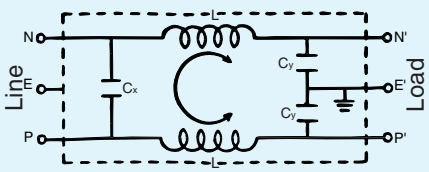
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PB01S
PB03S
PB06S
PB10S



Approvals:

Circuit



FEATURES

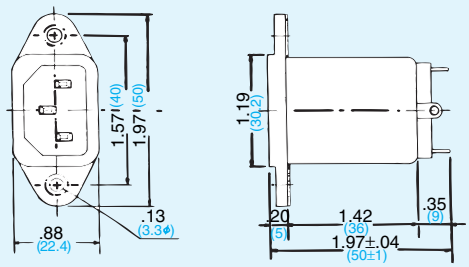
- General purpose filter with IEC Connector providing effective equipment protection of line-to-ground noise up to 10 amp., 250 VAC
- Low cost
- Compact design
- Low leakage current: less than 0.5mA max
- Solder terminals

APPLICATIONS

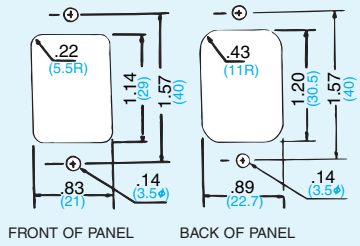
- Digital electronic equipment, measuring and control equipment, small electronic equipment and peripherals, etc.

PART NO.	L(mH) x 2	Cx (µF)	Cy (pF) x 2
PB01S	3.7	0.1	3300
PB03S	1.8	0.1	3300
PB06S	0.7	0.1	3300
PB10S	0.3	0.1	3300

DIMENSIONS

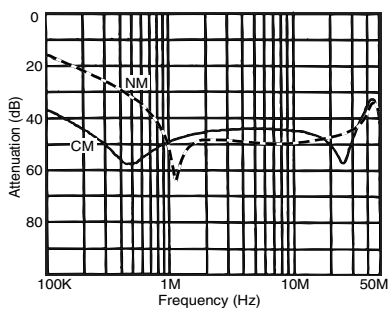


PANEL CUT-OUT

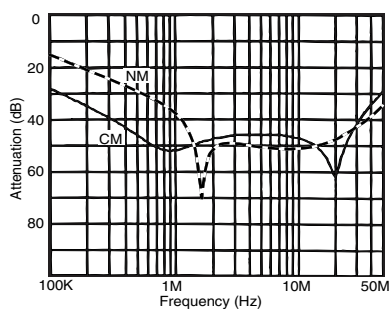


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

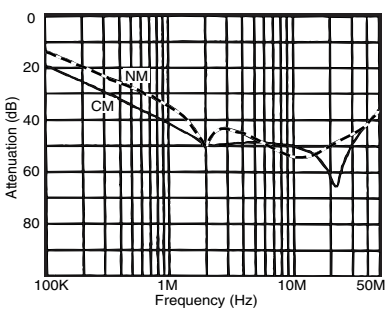
PB01S (1 AMP)



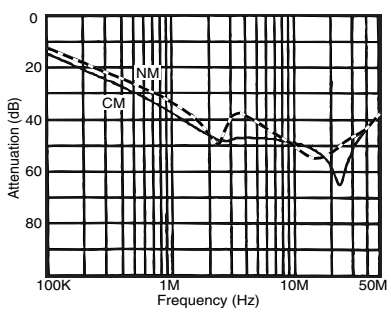
PB03S (3 AMP)



PB06S (6 AMP)



PB10S (10 AMP)



SPECIFICATIONS

MODEL NO.		PB01S	PB03S	PB06S	PB10S
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz	0.5mA MAX 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC	6000MΩ MIN 250V DC
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		30°C MAX	30°C MAX	30°C MAX	30°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.60 ~ 45 MHz	0.80 ~ 50 MHz	1.00 ~ 50 MHz	1.00 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 40MHz	0.20 ~ 40 MHz	0.50 ~ 50 MHz	0.70 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
See pages 129-140 for mating power cords.

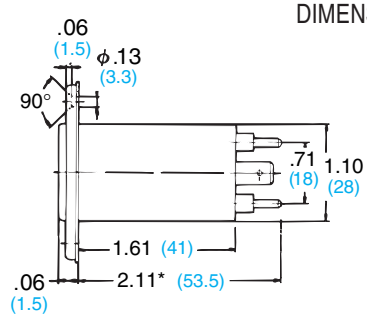
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

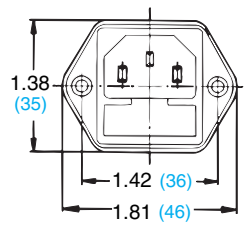
Power Dynamics, Inc.

Fused

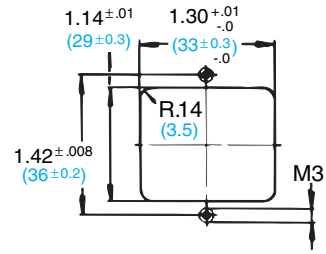
HGN-365

DIMENSIONS



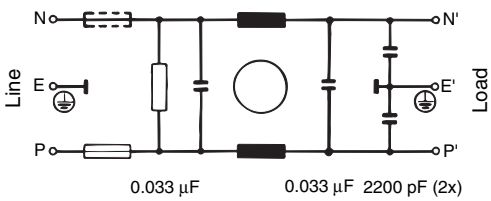


PANEL CUT-OUT



Approvals:

Circuit



HGN-365 series line filters feature an IEC Connector with an integral fuse holder; available for one or two 5 x 20mm fuses. (IEC 601 prescribes fusing of both lines.)

Fully enclosed metal housing prevents input of high frequency noise and protects ultra-sensitive equipment.

Technical data

Operating voltage	250 V / 50 Hz 110 V / 60 Hz
Rated current	1 A / 2 A / 4 A / 6 A (6A for UL & VDE only)
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

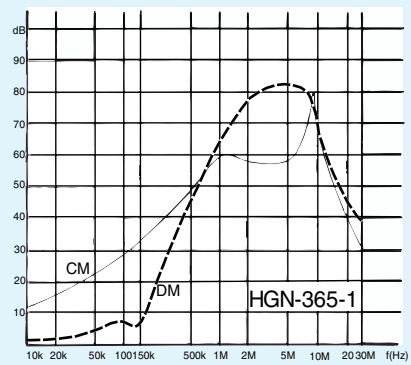
Ordering Code

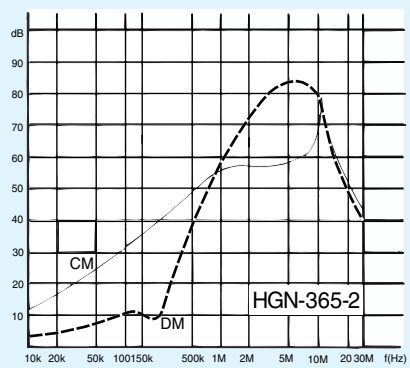
HGN-365 — 1 — F1

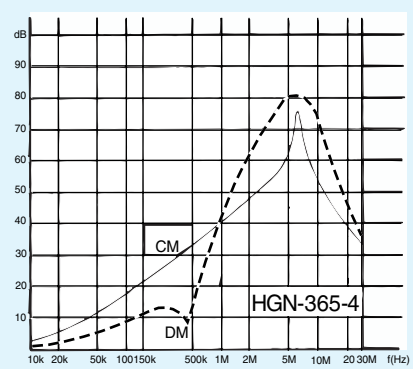
- HGN-365: Basic Part Number
- 1: 1=1Amp, 2=2Amp, 4=4Amp, 6=6Amp
- F1: F1= Quick Connect .25x.03 (6.3x0.8) 1 Fuse 5x20mm; F2= Quick Connect .25x.03 (6.3x0.8) 2 Fuse 5x20mm

Note: Solderable Terminals available

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR





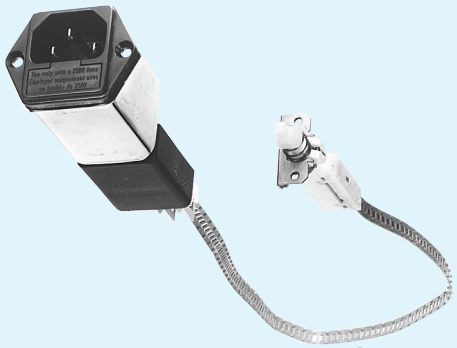


Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

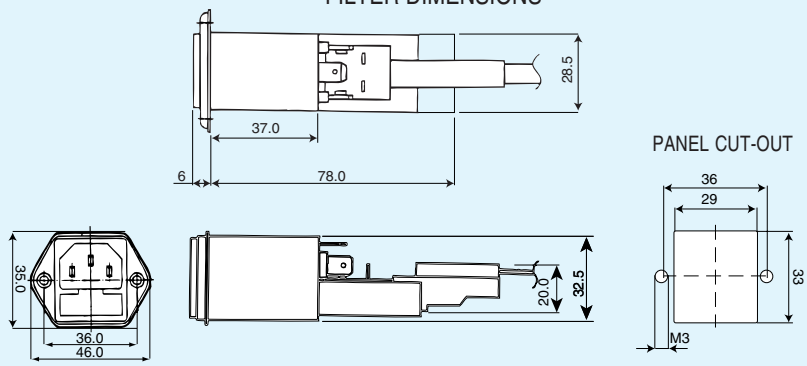
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Fused with Distance Switch

HGN-367



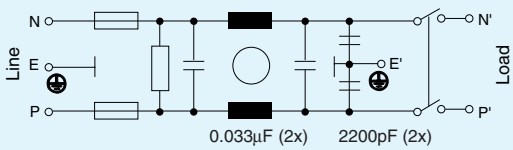
FILTER DIMENSIONS



PANEL CUT-OUT

Approvals:

Circuit



HGN-367 series line filters feature an IEC Connector with an integral fuse holder and distance switch; available for one or two 5 x 20mm fuses. (IEC 601 prescribes fusing of both lines.) Unlike other inferior distance switches, the HGN-367 incorporates Steel Band Ribbon Technology which increases the maximum bending radius of the distance switch so that it can be mounted at virtually any location.

Fully enclosed metal housing prevents input of high frequency noise and protects ultra-sensitive equipment.

Technical data

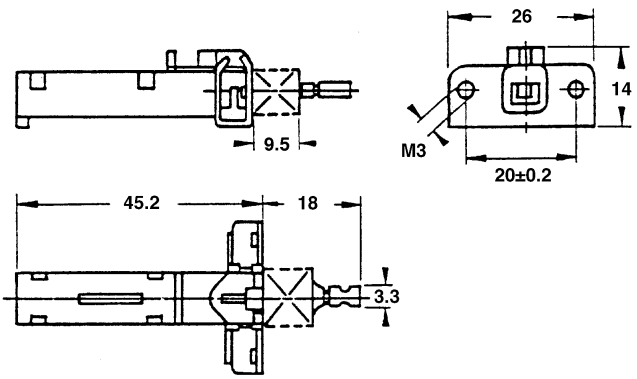
Filter:	
Operating voltage	250 V / 50 Hz 120 V / 60 Hz
Rated current	1 A / 2 A / 4 A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (V\MDE 0565)	1.8 kV / 50 Hz - 2 s
Switch:	
Rated voltage	250 VAC
Rated current	5 A
Temperature range	-10°C - + 60°C

Ordering Code

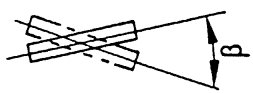
HGN-367 — 1 — F1

- HGN-367 — Basic Part Number
- 1 — 1=1Amp, 2=2Amp, 4=4Amp
- F1 — F1= Quick Connect 6.3x0.8, 1 Fuse 5x20mm
- F2= Quick Connect 6.3x0.8, 2 Fuse 5x20mm
- F3= Solder, 1 Fuse 5x20mm
- F4= Solder, 2 Fuse 5x20mm

SWITCH DIMENSIONS

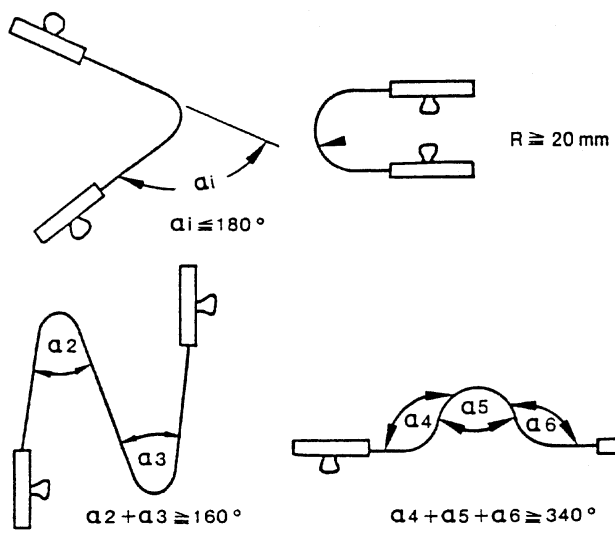


Max. twisting angle



Length	Angle
≤ 100 mm	β ≤ 60°
100 – 150 mm	β ≤ 90°
≥ 150 mm	β ≤ 120°

Max. bending radius

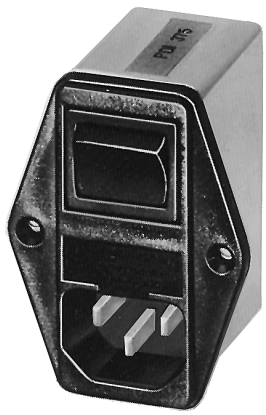


Specifications subject to change without notice. Dimensions in mm.
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

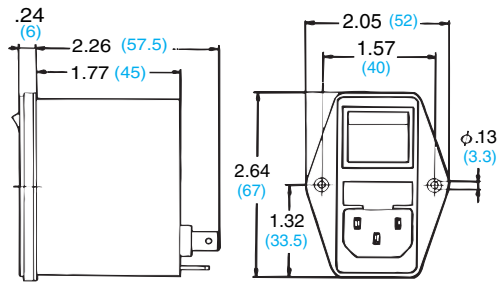
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Fused with On/Off Switch

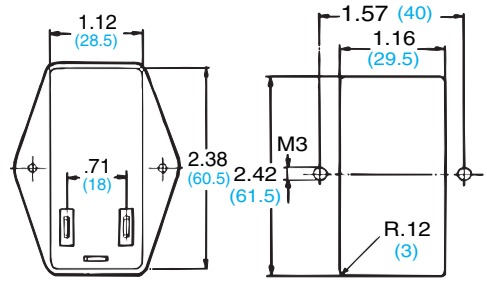
HGN-375



DIMENSIONS

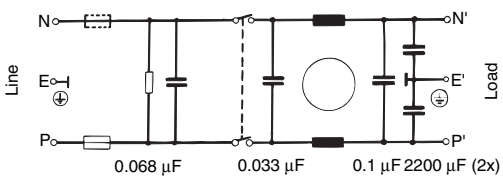


PANEL CUT-OUT



Approvals:

Circuit



HGN-375 protects electronic equipment from common and differential mode line interference in the range of 10KHZ up to 30MHZ. This “combi-unit” is equipped with IEC Connector, fuse holder for one or two 5 x 20mm fuses, 2 pole on/off switch and fully enclosed metal housing.

Technical data

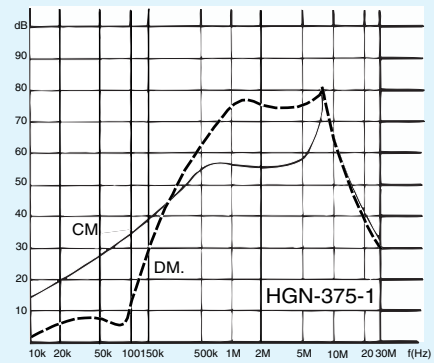
Operating voltage	250 V / 50 Hz 110 V / 60 Hz
Rated current	1A / 2A / 4A / 6A (6A for UL & VDE only)
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

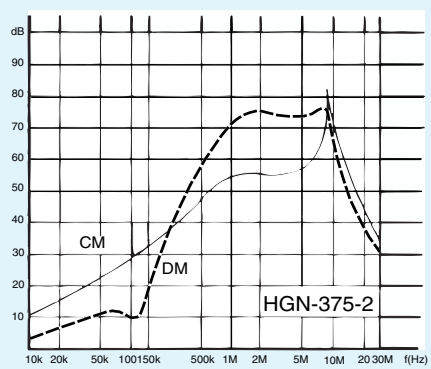
Ordering Code

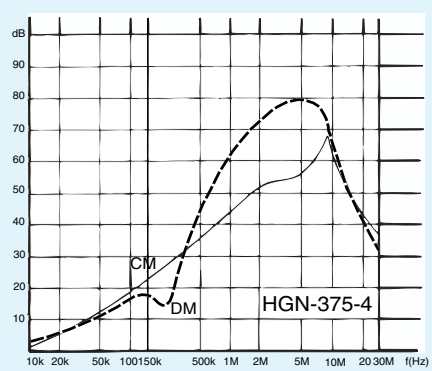
HGN-375 — 1 — F1

- HGN-375 — Basic Part Number
- 1 — 1=1Amp, 2=2Amp, 4=4Amp, 6=6Amp
- F1 — F1= Quick Connect .25x.03 (6.3x0.8) 1 Fuse 5x20mm; F2= Quick Connect .25x.03 (6.3x0.8) 2 Fuses 5x20mm

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR





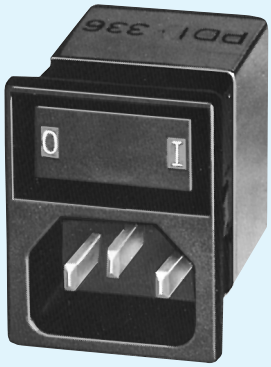


Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

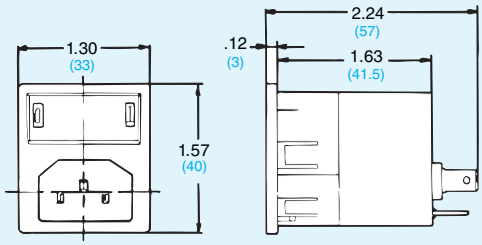
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Switched, Snap-in

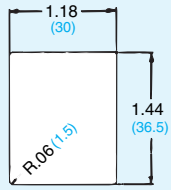
HGN-336



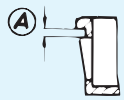
DIMENSIONS



PANEL CUT-OUT



PANEL THICKNESS

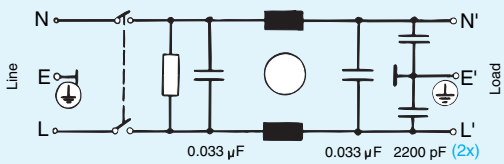


.06 (1.5mm) =150
.062(1.6mm) =160
.08 (2.0mm) =200

Please indicate the panel thickness!

Approvals:

Circuit



HGN-336 line filters feature an IEC Connector and a two pole on/off switch. The unit protects electronic equipment against malfunction due to fast common mode and differential mode interferences. Designed for labor saving snap-in mounting.

Technical data

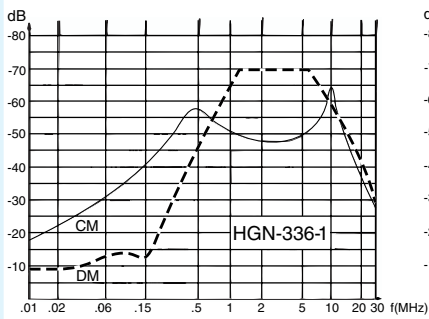
Operating voltage	250 V / 50 Hz 110 V / 60 Hz
Rated current	1A / 2A / 3A / 4A / 6A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

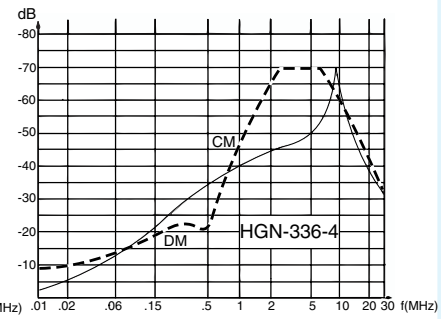
Ordering Code

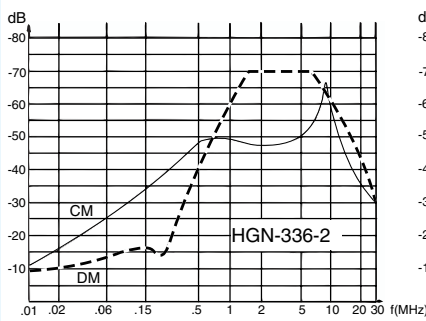
HGN-336 — 1 — F — 150

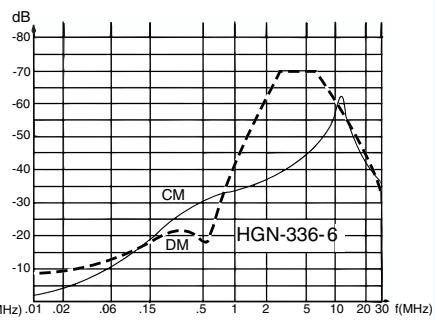
Basic Part Number		
	1=1Amp 2=2Amp 3=3Amp 4=4Amp 6=6Amp	F= Quick Connect .25x.03 (6.3x0.8)
		Panel Thickness 150= .06 (1.5mm) 160= .062(1.6mm) 200= .08 (2.0mm)

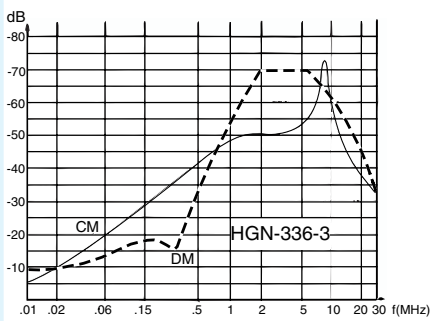
ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR











Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

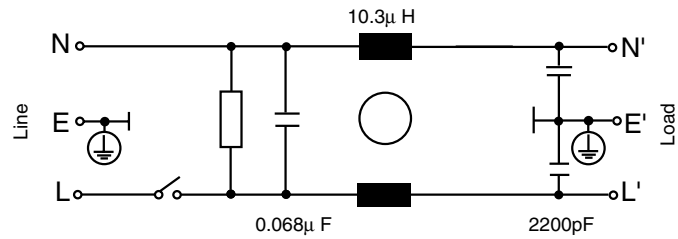
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Power Dynamics, Inc.

Switched, Flange Mount

HGN-368

Circuit



Approvals:

HGN-368 series line filters feature an IEC Connector with an integral switch.

Fully enclosed metal housing prevents input of high frequency noise and protects ultra-sensitive equipment.

Technical data

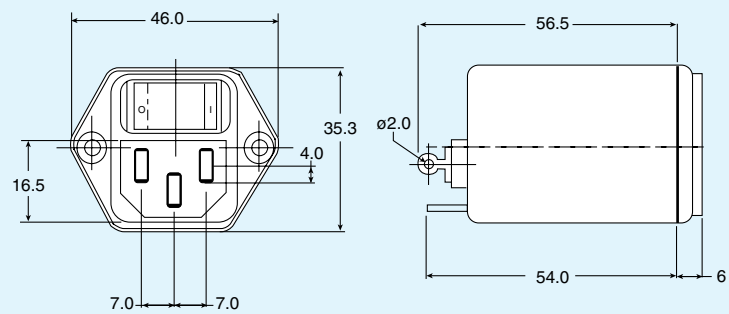
Operating voltage	250 V / 50 Hz 120 V / 60 Hz
Rated current	1 A / 2 A / 4 A / 6 A (6A for UL & VDE only)
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

Ordering Code

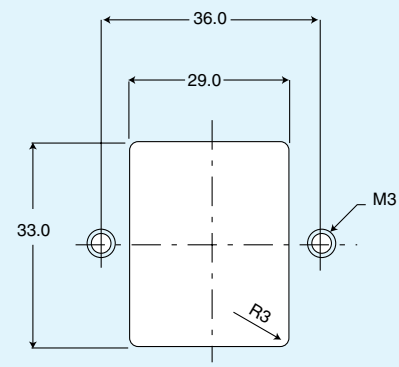
HGN-368 — 1 — F1

- HGN-368: Basic Part Number
- 1: 1=1Amp, 2=2Amp, 4=4Amp, 6=6Amp
- F1: F1= Quick Connect 6.3x0.8, F2= Solder

DIMENSIONS



PANEL CUT-OUT

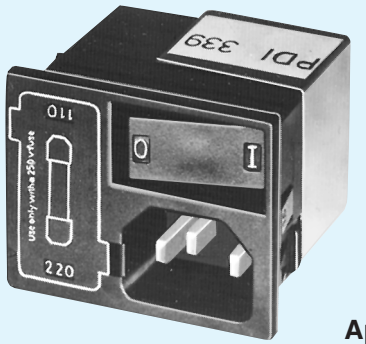


Specifications subject to change without notice. Dimensions in mm.
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

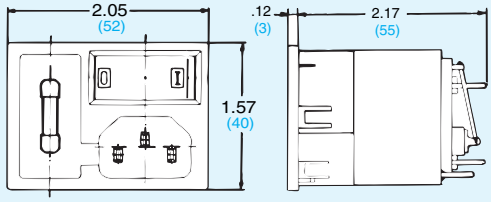
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Fused with Switch and Voltage Select, Snap-in

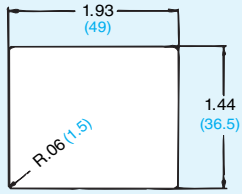
HGN-339



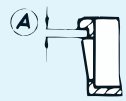
DIMENSIONS



PANEL CUT-OUT



PANEL THICKNESS

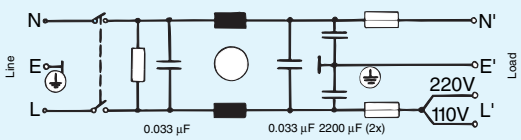


.06 (1.5mm) =150
.062(1.6mm) =160
.08 (2mm) =200

Please indicate the panel thickness!

Approvals:

Circuit



HGN-339 incorporates all the features of the HGN-337 with the addition of an integral voltage selector. It is designed for use in equipment intended for export enabling the fast change to other voltages.

Technical data

Operating voltage	250 V / 50 Hz
	110 V / 60 Hz
Rated current	1A / 2A / 3A / 4A / 6A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

Ordering Code

HGN-339 — 3 — F — 150

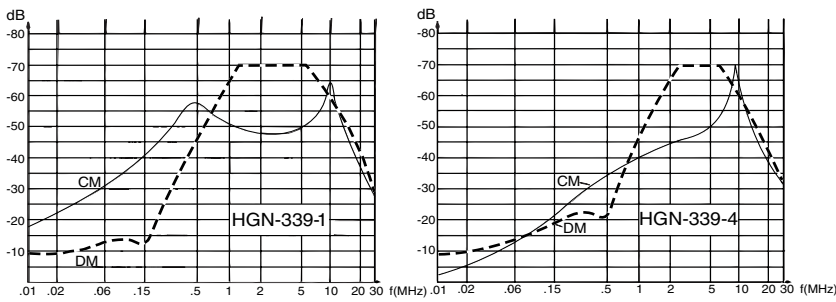
Basic Part Number

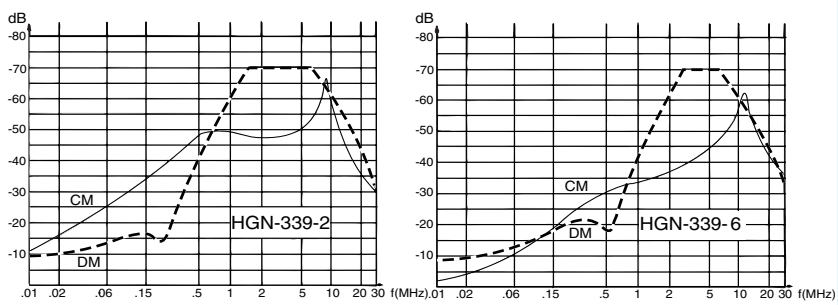
1=1Amp
2=2Amp
3=3Amp
4=4Amp
6=6Amp

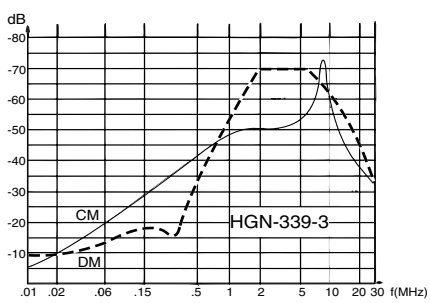
F= Quick Connect .25x.03 (6.3x0.8)

Panel Thickness
150= .06 (1.5mm)
160= .062(1.6mm)
200= .08 (2.0mm)

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR







Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

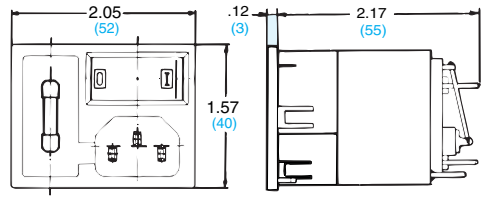
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Power Dynamics, Inc.

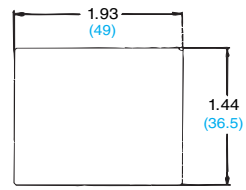
Fused with Switch, Snap-in

HGN-337

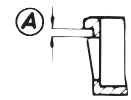
DIMENSIONS



PANEL CUT-OUT



PANEL THICKNESS

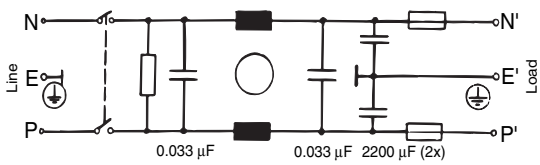


.06 (1.5mm) =150
.062(1.6mm) =160
.08 (2.0mm) =200

Please indicate the panel thickness!

Approvals:

Circuit



HGN-337 line filter modules feature a combination IEC Connector, two pole on/off switch and fuse holder that accepts both European 5 x 20mm or 3 AG fuses in-line and neutral. The HGN-337 protects electronic equipment from common mode and differential mode interferences.

Technical data

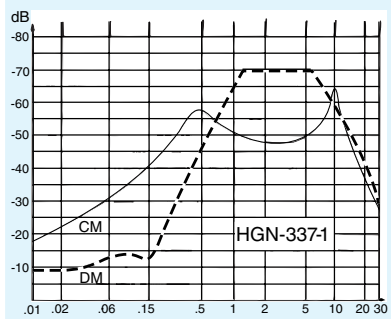
Operating voltage	250 V / 50 Hz 110 V / 60 Hz
Rated current	1A / 2A / 3A / 4A / 6A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

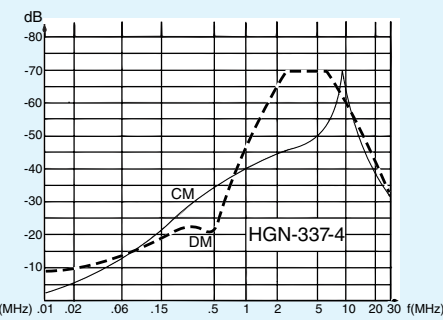
Ordering Code

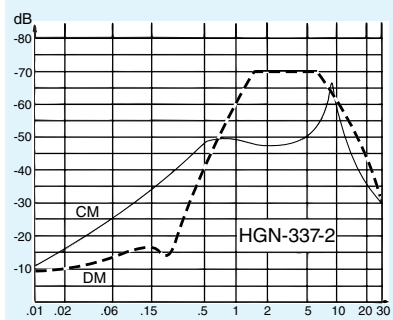
HGN-337 — 2 — F — 160

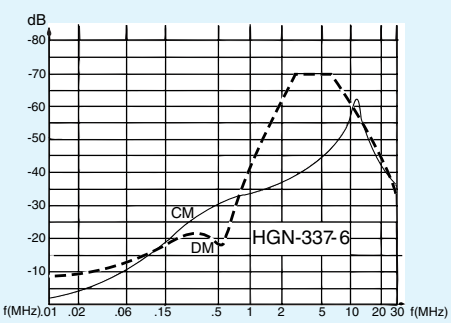
- HGN-337: Basic Part Number
- 2: 1=1Amp, 2=2Amp, 3=3Amp, 4=4Amp, 6=6Amp
- F: F= Quick Connect .25x.03 (6.3x0.8)
- 160: Panel Thickness
  - 150= .06 (1.5mm)
  - 160= .062(1.6mm)
  - 200= .08 (2.0mm)

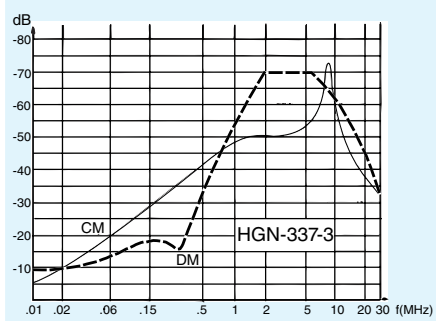
ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR









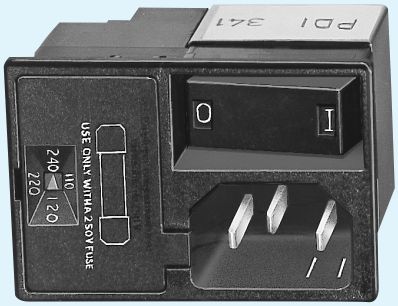


Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

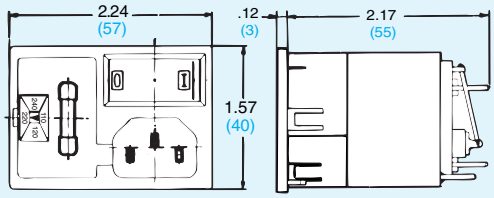
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Fused with Switch and Voltage Select, Snap-in

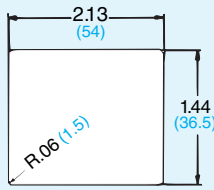
HGN-341



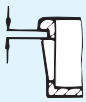
DIMENSIONS



PANEL CUT-OUT



PANEL THICKNESS

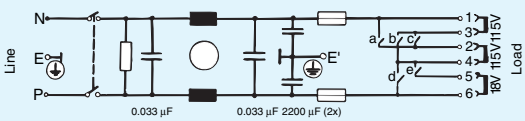


.06 (1.5mm) =150
.062(1.6mm) =160
.08 (2.0mm) =200

Please indicate the panel thickness!

Approvals:

Circuit



HGN-341 power modules feature IEC Connector, two pole on/off switch, fuse holder that accepts both European 5 x 20mm or 3 AG fuses and a voltage selector with four different voltages. The voltage selector is designed to provide a simple means to change transformer primary connections.

Technical data

Operating voltage	250 V / 50 Hz 110V / 60 Hz
Rated current	1A / 2A / 3A / 4A / 6A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

Ordering Code

HGN-341 — 2 — F — 150

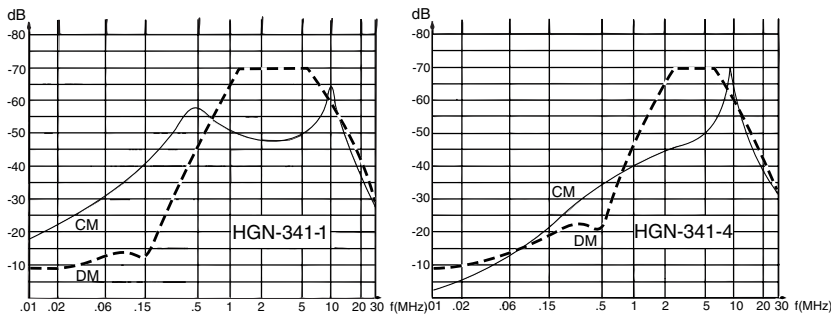
Basic Part Number

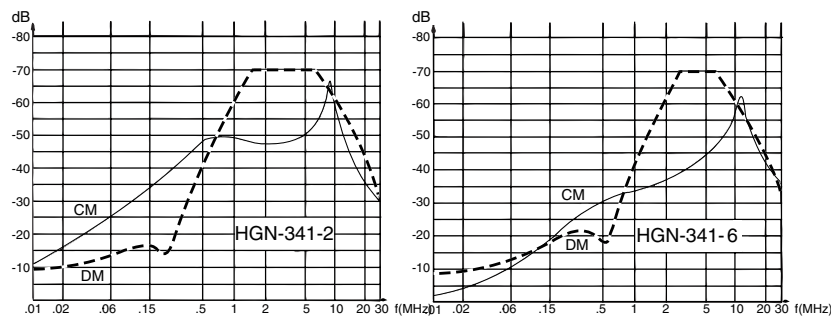
1=1 Amp
2=2 Amp
3=3 Amp
4=4 Amp
6=6 Amp

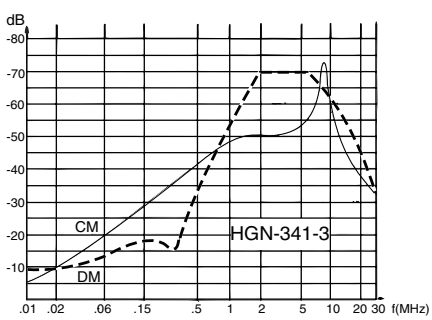
F1= Quick Connect .25x.03 (6.3x0.8)

Panel Thickness
150= .06 (1.5mm)
160= .062(1.6mm)
200= .08 (2.0mm)

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR







VOLTAGE CIRCUIT

VOLTAGE	CONNECTED BY TERMINALS	CONTACT POSITION
115V	a, b, d	= closed
125V	a, b, e	= closed
230V	c, d	= closed
250V	c, e	= closed

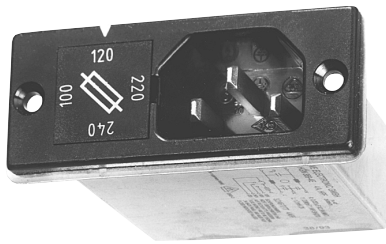
Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

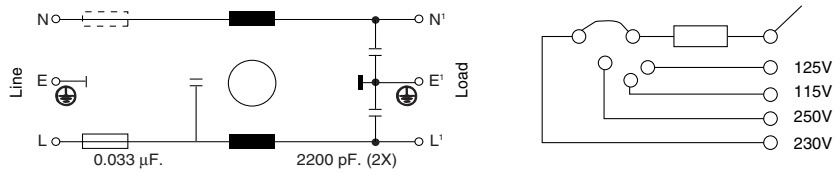
Power Dynamics, Inc.

Voltage Select

HGN-369



Circuit



Approvals:

HGN-369 line filters are used in applications having ON/OFF-switch on front-side but main input at the rear-side. IEC-connector, voltage-selector for four different voltages, fuse holder (5 x 20mm or 3AG optionally) and a highly efficient filter in a totally enclosed metal housing to ensure maximum protection from common mode and differential mode interferences.

Technical data

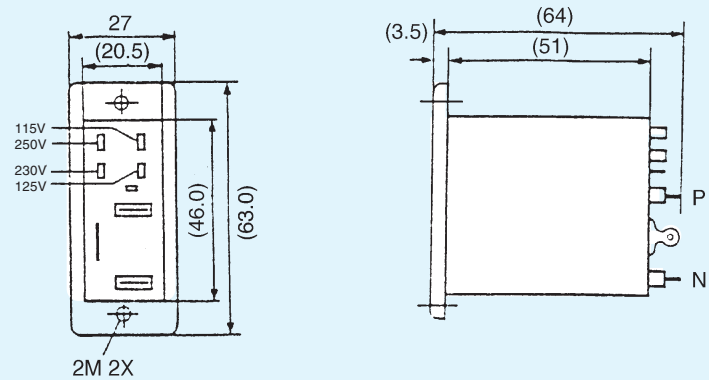
Operating voltage	250 V / 50 Hz 120V / 60 Hz
Rated current	1A / 2A / 3A / 4A / 6A
Leakage current	< 0.5 mA / 250 VAC
Temperature range	-25°C - + 85°C
Test voltage (VDE 0565)	1.8 kV / 50 Hz - 2 s

Ordering Code

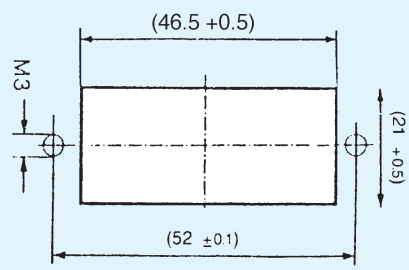
HGN-369 — 4

- HGN-369 — Basic Part Number
- 4 — 1=1 Amp, 2=2 Amp, 3=3 Amp, 4=4 Amp, 6=6 Amp

DIMENSIONS



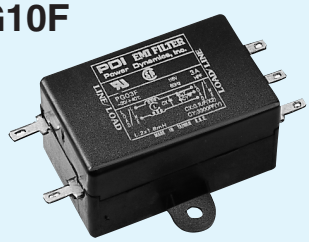
PANEL CUT-OUT



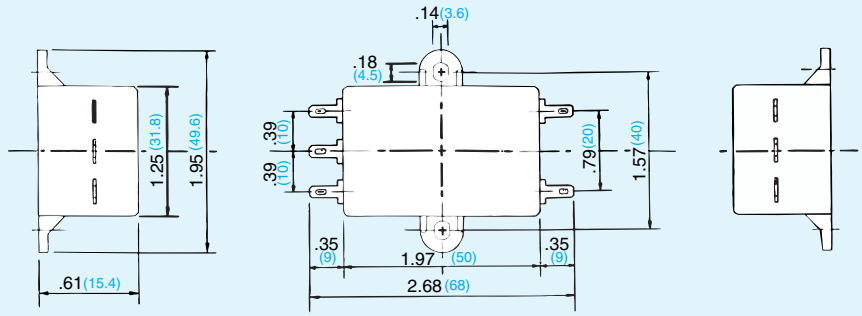
Specifications subject to change without notice. Dimensions in mm.
All versions available for medical grade application. Contact Power Dynamics.
See pages 129-140 for mating power cords.

PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PG01F
PG03F
PG06F
PG10F

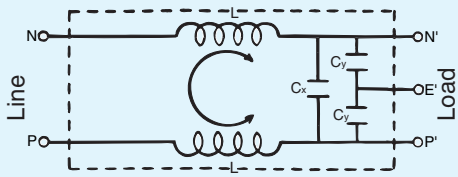


DIMENSIONS



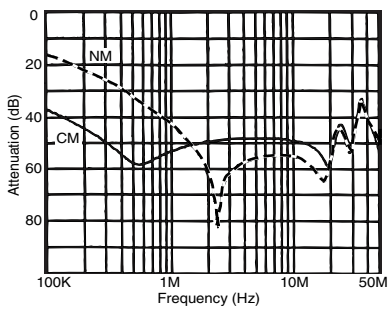
Approvals:

Circuit

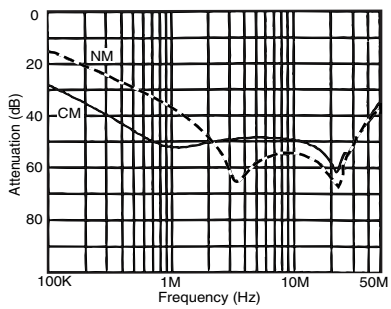


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

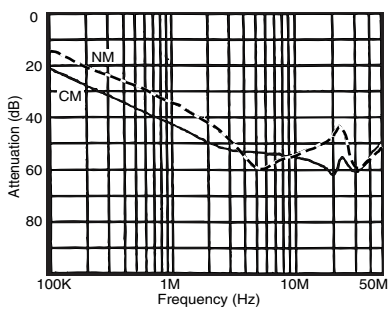
PG01F (1 AMP)



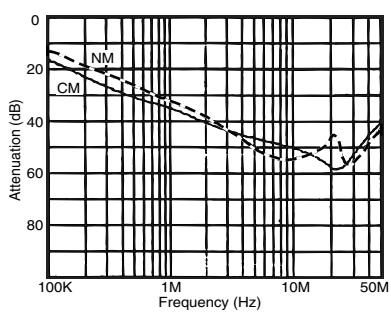
PG03F (3 AMP)



PG06F (6 AMP)



PG10F (10 AMP)



FEATURES

- Low cost type
- Low leakage current: 0.8mA max
- Solder terminals
- Chassis mount

APPLICATIONS

- Digital electronic equipment, measuring and control equipment, small electronic equipment and peripherals, etc.

SPECIFICATIONS

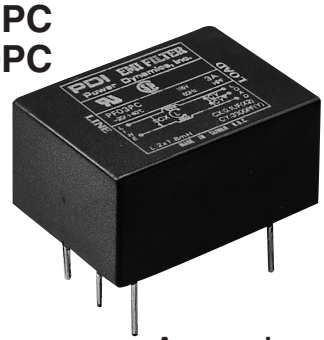
MODEL NO.		PG01F	PG03F	PG06F	PG10F
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.60 ~ 50 MHz	0.80 ~ 50 MHz	1.00 ~ 50 MHz	1.50 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 50 MHz	0.20 ~ 50 MHz	0.40 ~ 50 MHz	1.00 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

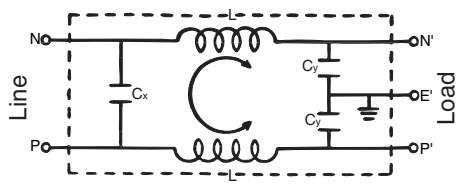
PDI® Power Dynamics, Inc.

PF01PC
PF03PC
PF06PC
PF10PC



Approvals:

Circuit



FEATURES

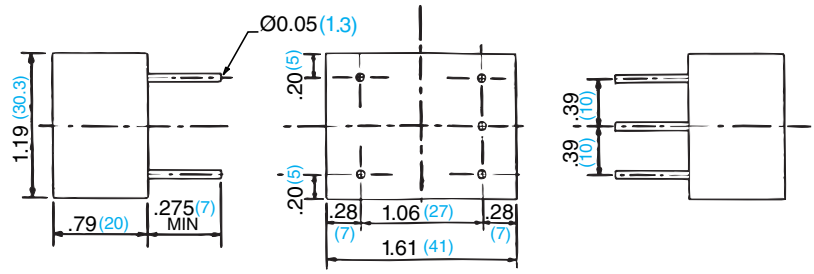
- Low cost type
- Low leakage current: 0.8mA max
- Printed circuit terminals

APPLICATIONS

- Digital electronic equipment, measuring control equipment, small electronic equipment and peripherals, etc.

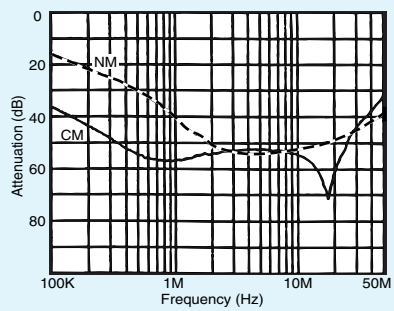
PART NO.	L(mH) x 2	Cx (µF)	Cy (pF) x 2
PF01PC	3.7	0.1 x 2	3300
PF03PC	1.8	0.1 x 2	3300
PF06PC	0.7	0.1 x 2	3300
PF10PC	0.1	0.1 x 2	3300

DIMENSIONS

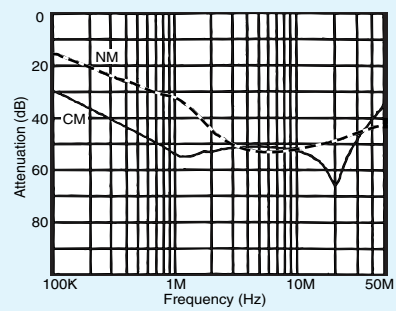


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

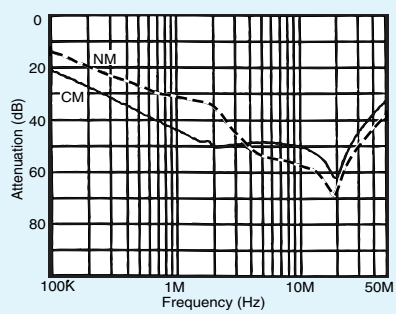
PF01PC (1 AMP)



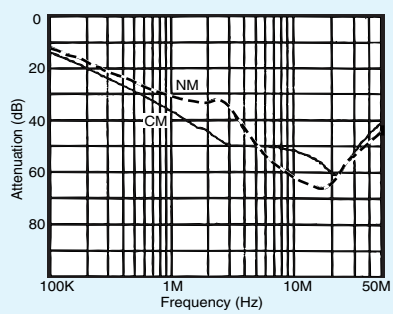
PF03PC (3 AMP)



PF06PC (6 AMP)



PF10PC (10 AMP)



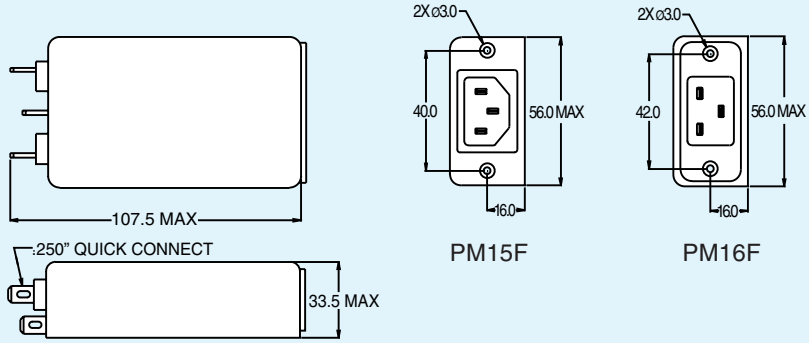
SPECIFICATIONS

MODEL NO.		PF01PC	PF03PC	PF06PC	PF10PC
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz	0.8mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 25db MIN		0.70 ~ 50 MHz	1.30 ~ 50 MHz	2.00 ~ 50 MHz	3.00 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 45 MHz	0.20 ~ 50 MHz	0.40 ~ 40 MHz	0.90 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
(Metric dimensions are shown in parentheses.)

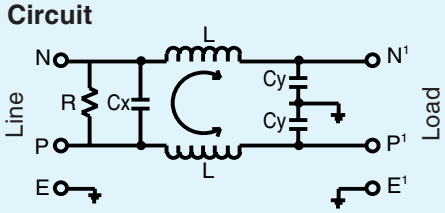
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PM15F
PM16F



Approvals:

Circuit



PART NO.	L(mH) x 2	Cx (µF)	Cy (pF) x 2	R (ohm)
PM15F	3.6	2	10000	200k
PM16F	3.6	2	10000	200k

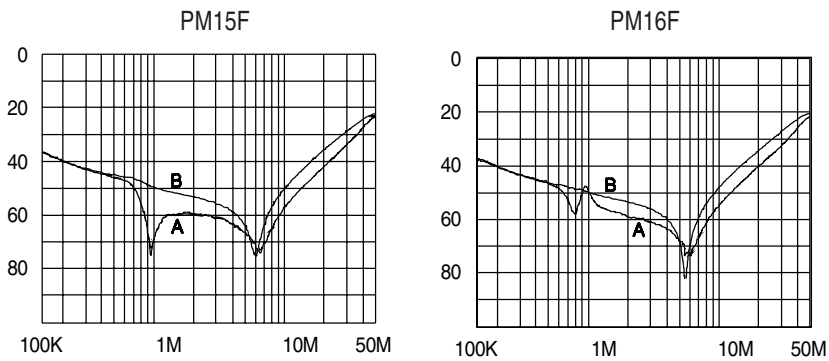
FEATURES

- General purpose hi current filter with IEC 60320 connector for direct plug-in capabilities. Designed to replace filters that require wiring between filter and panel inlet.
- Fully enclosed metal case prevents input of hi frequency noise and protects sensitive equipment.
- Low leakage current less than 0.8mA max.
- .250 Faston terminals

APPLICATIONS

- Designed for use in computers, peripheral equipment and industrial applications where pulse or continuous EMI noise is present.

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR



A CURVE: NORMAL MODE
B CURVE: COMMON MODE

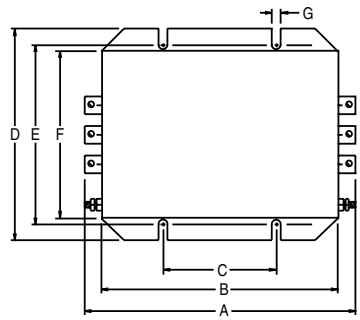
SPECIFICATIONS

MODEL NO.		PM15F	PM16F
Rated Voltage		250V AC	250V AC
Rated Current		15A	16A
Leakage Current		2.3mA MAX 250V, 60 Hz	2.3mA MAX 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC
Insulation Resistance		100MΩ MIN 250V DC	100MΩ MIN 250V DC
Direct Current Resis.		0.5Ω MAX	0.2Ω MAX
Temperature Rise		35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C
Attenuation			
Normal Mode 25db MIN		0.60 ~ 45 MHz	0.80 ~ 50 MHz
Common Mode 25db MIN		0.10 ~ 40MHz	0.20 ~ 50 MHz

Specifications subject to change without notice. Dimensions in inches.
See pages 129-140 for mating power cords.

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com
PDI® Power Dynamics, Inc.

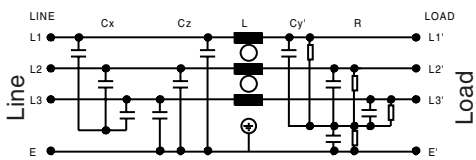
PDF016T
PDF032T
PDF050T
PDF100T



	A	B	C	D	E	F	G	H
PDF016T	175	150	85	125	112	100	6.4	55
PDF032T	180	150	85	125	112	100	6.4	55
PDF050T	265	200	115	150	135	120	6.4	64
PDF100T	340	260	150	180	165	150	10.5	80

Approvals:

Circuit



PART NO.	L(mH) x 3	Cx (µF) x 3	Cy (µF) x 4	Cz (µF) x 3	R (ohm) x 4
PDF016T	11	2.2	4.4	0.068	100k
PDF032T	10	2.2	4.4	0.068	100k
PDF050T	4.3	2.2	4.4	0.068	100k
PDF100T	4.3	2.2	4.4	0.068	100k

FEATURES

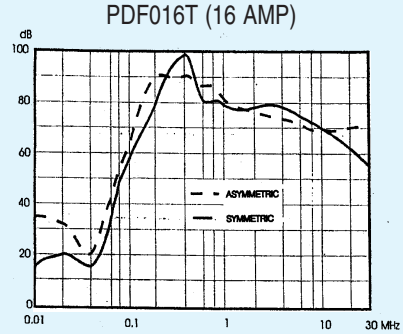
- High performance 3 phase line filters available in 16A, 32A, 50A and 100A versions.
- Compact construction makes it ideal for many applications including: electrical equipment, copy machines, non-interrupting power supplies(UPS), telecommunication equipment an motor drives.
- Designed with a high insertion loss at frequencies from 1MHz to 30MHz.

APPLICATIONS

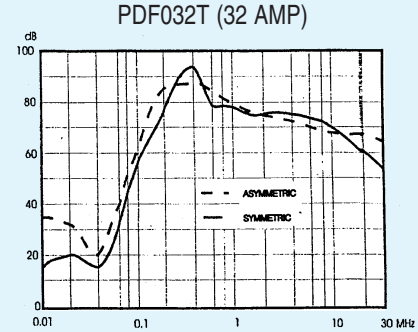
- Designed for three phase high-current applications, such as motors, compressors, non-interrupting and switch-mode power supplies.

ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

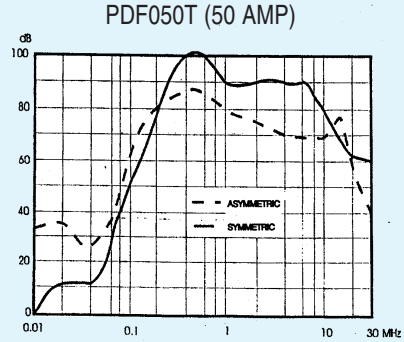
PDF016T (16 AMP)



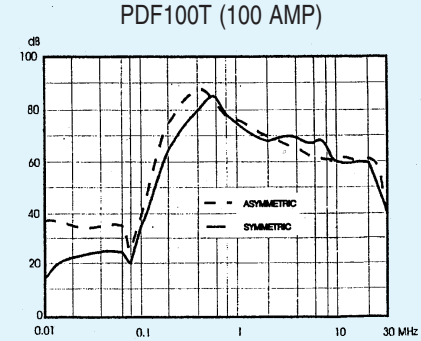
PDF032T (32 AMP)



PDF050T (50 AMP)



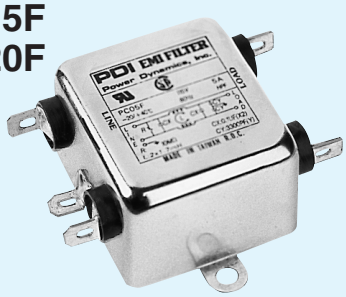
PDF100T (100 AMP)



Specifications subject to change without notice. Dimensions in inches.

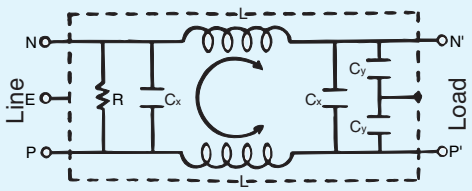
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PC05F
PC10F
PC15F
PC20F



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 2	Cx (µF)x 2	Cy (pF) x 2	R (ohm)
PC05F	1.7	0.1	3300	10M
PC10F	1.2	0.1	3300	10M
PC15F	0.9	0.1	3300	10M
PC20F	0.5	0.1	3300	10M

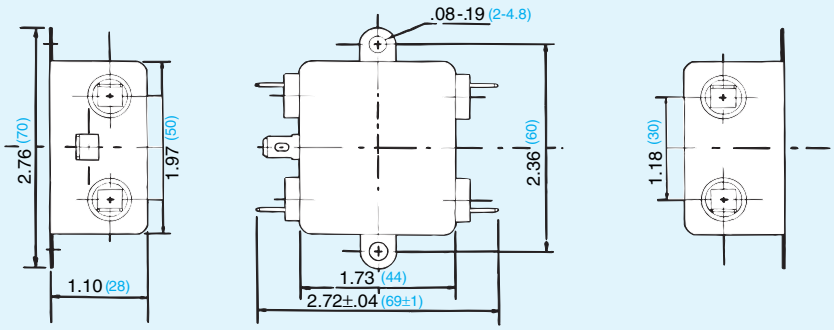
FEATURES

- Superior performance controlling EMI suppression of both line-to-line and line-to-ground noise
- Low leakage current: less than 1mA max @ 250 VAC
- .250 Faston terminals

APPLICATIONS

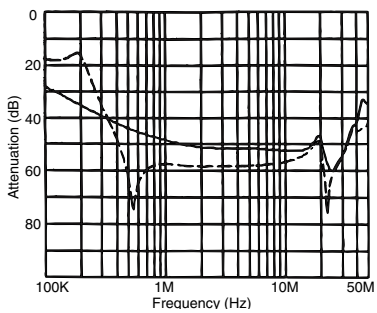
- Designed for use in computers, peripheral equipment and industrial applications where pulse or continuous EMI noise is present

DIMENSIONS

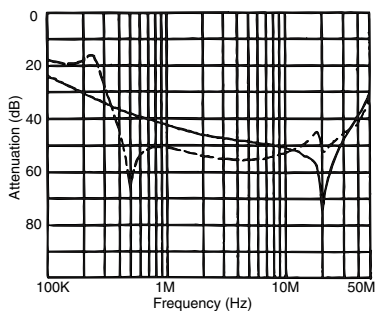


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

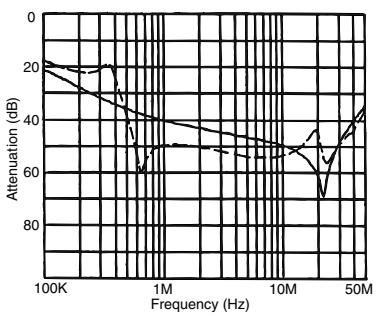
PCO5F (5 AMP)



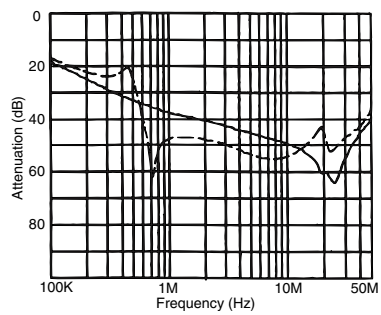
PC10F (10 AMP)



PC15F (15 AMP)



PC20F (20 AMP)



SPECIFICATIONS

MODEL NO.	PC05F	PC10F	PC15F	PC20F
Rated Voltage	250V AC	250V AC	250V AC	250V AC
Rated Current	5A	10A	15A	20A
Leakage Current	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
Test Voltage Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.	0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise	35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation				
Normal Mode 30db MIN	0.32 ~ 50 MHz	0.36 ~ 42 MHz	0.50 ~ 45 MHz	0.50 ~ 45 MHz
Common Mode 30db MIN	0.32 ~ 42 MHz	0.67 ~ 38 MHz	1.00 ~ 40 MHz	1.80 ~ 50 MHz

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

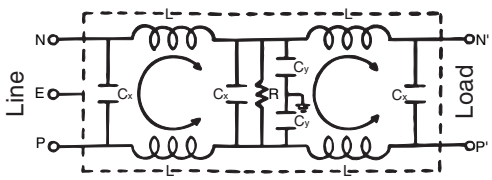
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

Power Dynamics, Inc.

PC01F-L2
PC03F-L2
PC06F-L2
PC10F-L2

Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 4	Cx (µF)x 3	Cy (pF) x 2	R (ohm)
PC01F-L2	3.7	0.1	3300	10M
PC03F-L2	1.8	0.1	3300	10M
PC06F-L2	0.7	0.1	3300	10M
PC10F-L2	0.3	0.1	3300	10M

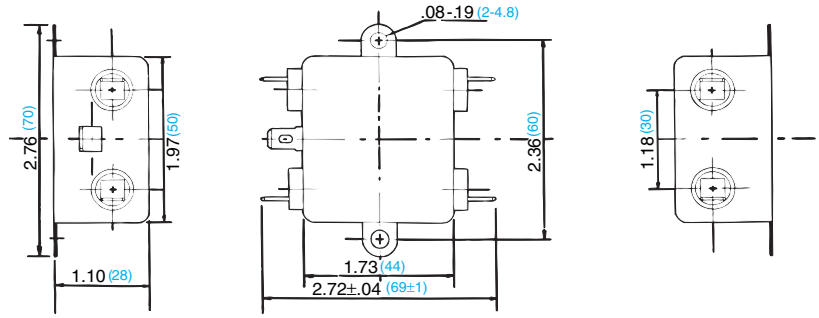
FEATURES

- Two stage filters designed to provide high performance in suppressing both line-to-line and line-to-ground noise for most digital electronic equipment
- Low leakage current: 1mA max
- .250 Faston terminals

APPLICATIONS

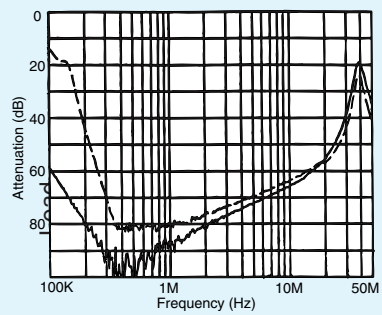
- Digital electronic equipment, motors and switching power supplies

DIMENSIONS

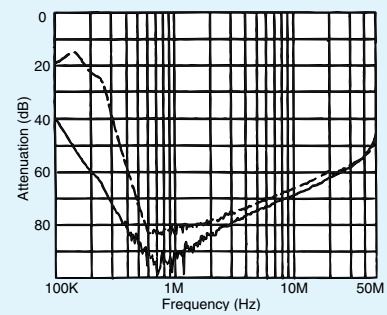


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

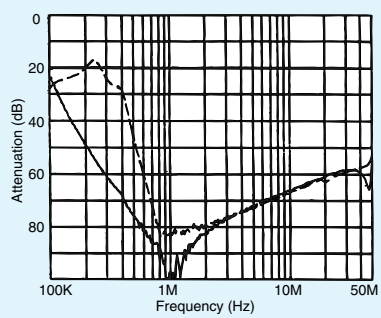
PC01F-L2 (1 AMP)



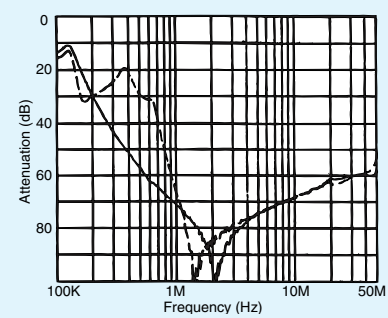
PC03F-L2 (3 AMP)



PC06F-L2 (6 AMP)



PC10F-L2 (10 AMP)



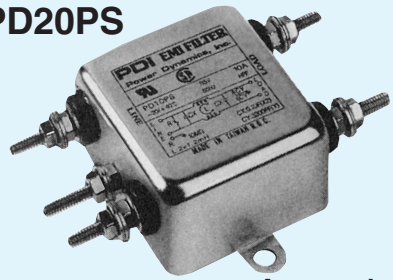
SPECIFICATIONS

MODEL NO.		PC01F-L2	PC03F-L2	PC06F-L2	PC10F-L2
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.7Ω MAX	0.3Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation					
Normal Mode 50db MIN		0.25 ~ 15 MHz	0.40 ~ 20 MHz	0.60 ~ 30 MHz	0.90 ~ 40 MHz
Common Mode 50db MIN		0.10 ~ 16 MHz	0.20 ~ 25 MHz	0.30 ~ 22 MHz	0.55 ~ 45 MHz

Specifications subject to change without notice.
(Metric dimensions are shown in parentheses.)

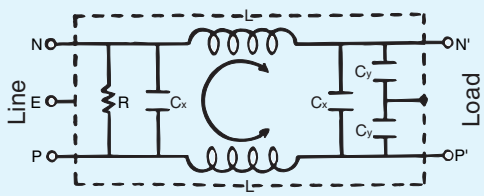
PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PD05PS
PD10PS
PD15PS
PD20PS



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 4	Cx (μF)x 3	Cy (pF) x 2	R (ohm)
PD05PS	1.7	0.1	3300	10M
PD10PS	1.2	0.1	3300	10M
PD15PS	0.9	0.1	3300	10M
PD20PS	0.5	0.1	3300	10M

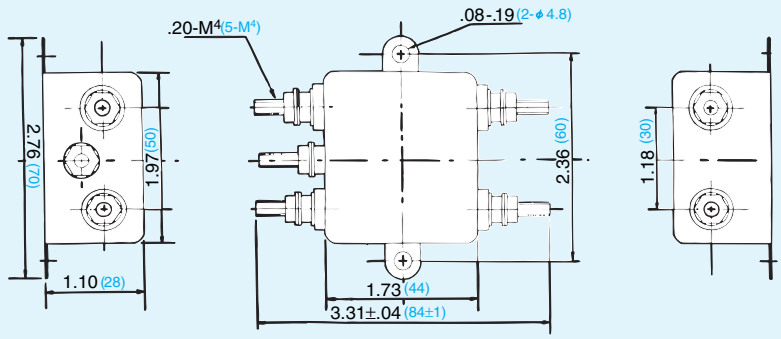
FEATURES

- Superior performance controlling EMI suppression of both line-to-line and line-to-ground noise
- Low leakage current: less than 1mA max @ 250 VAC
- Screw post terminals

APPLICATIONS

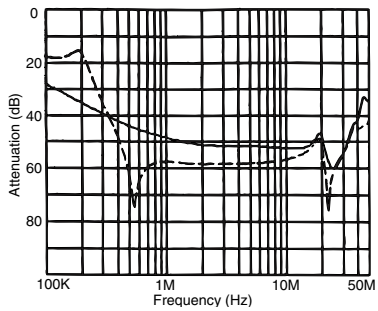
- Designed for use in computers, peripheral equipment and industrial applications where pulse or continuous EMI noise is present

DIMENSIONS

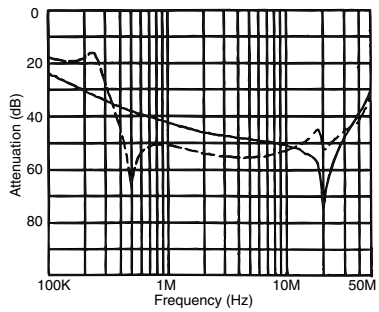


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

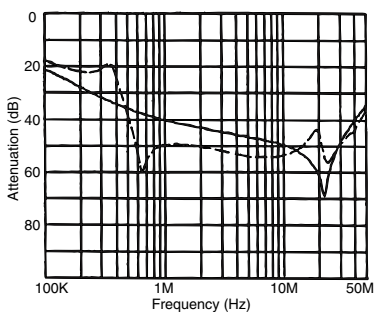
PD05PS (5 AMP)



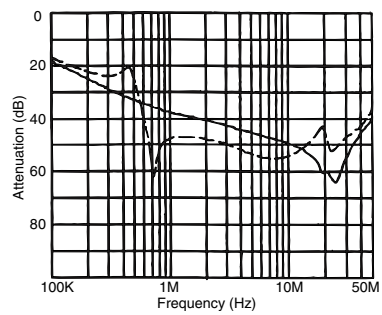
PD10PS (10 AMP)



PD15PS (15 AMP)



PD20PS (20 AMP)



SPECIFICATIONS

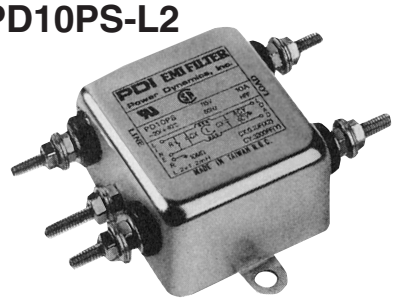
MODEL NO.		PD05PS	PD10PS	PD15PS	PD20PS
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		5A	10A	15A	20A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C	−25 ~ +85°C
Attenuation					
Normal Mode 30db MIN		0.32 ~ 50 MHz	0.36 ~ 42 MHz	0.50 ~ 45 MHz	0.50 ~ 45 MHz
Common Mode 30db MIN		0.32 ~ 42 MHz	0.67 ~ 38 MHz	1.00 ~ 40 MHz	1.80 ~ 50 MHz

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

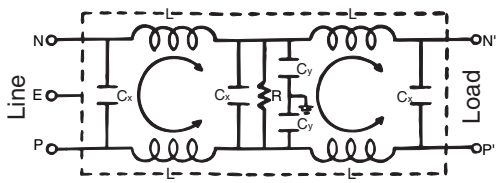
PDI® Power Dynamics, Inc.

PD01PS-L2
PD03PS-L2
PD06PS-L2
PD10PS-L2



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 4	Cx (µF)x 3	Cy (pF) x 2	R (ohm)
PD01PS-L2	3.7	0.1	3300	10M
PD03PS-L2	1.8	0.1	3300	10M
PD06PS-L2	0.7	0.1	3300	10M
PD10PS-L2	0.3	0.1	3300	10M

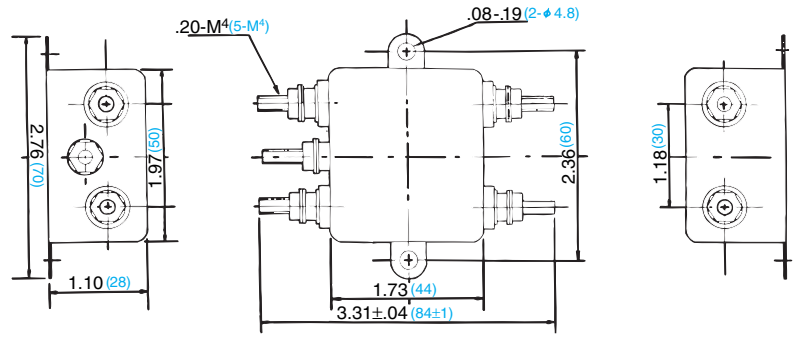
FEATURES

- Two stage filters designed to provide high performance in suppressing both line-to-line and line-to-ground noise for most digital electronic equipment
- Low leakage current: 1mA max
- Screw post terminals

APPLICATIONS

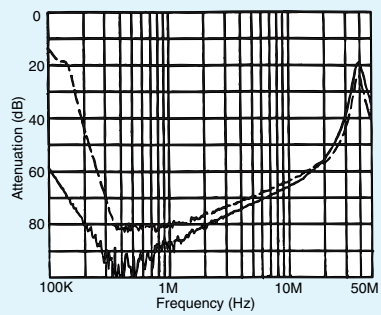
- Digital electronic equipment, motors and switching power supplies

DIMENSIONS

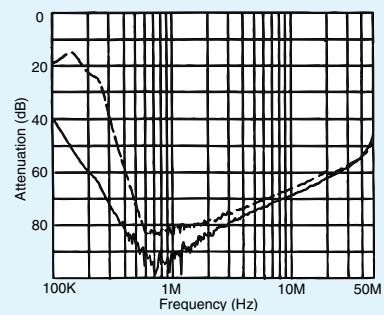


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

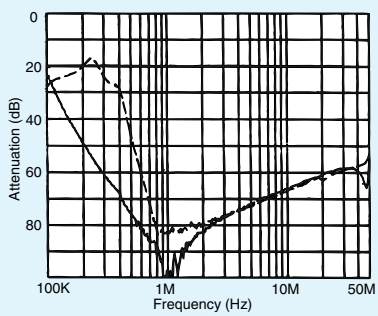
PD01PS-L2 (1 AMP)



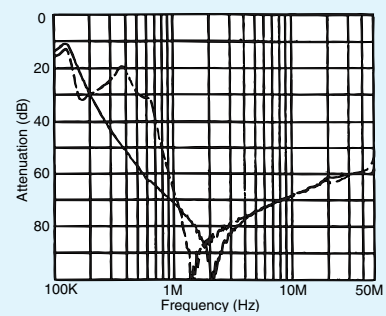
PD03PS-L2 (3 AMP)



PD06PS-L2 (6 AMP)



PD10PS-L2 (10 AMP)



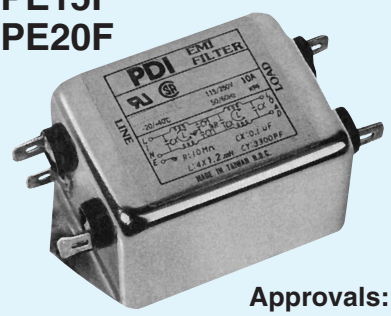
SPECIFICATIONS

MODEL NO.		PD01PS-L2	PD03PS-L2	PD06PS-L2	PD10PS-L2
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		1A	3A	6A	10A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.7Ω MAX	0.3Ω MAX	0.15Ω MAX	0.1Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation					
Normal Mode 30db MIN		0.25 ~ 15 MHz	0.40 ~ 20 MHz	0.60 ~ 30 MHz	0.90 ~ 40 MHz
Common Mode 30db MIN		0.10 ~ 16 MHz	0.20 ~ 25 MHz	0.30 ~ 22 MHz	0.55 ~ 45 MHz

Specifications subject to change without notice.
(Metric dimensions are shown in parentheses.)

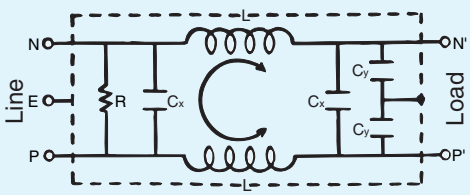
PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PE05F
PE10F
PE15F
PE20F



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 2	Cx (µF)x 2	Cy (pF) x 2	R (ohm)
PE05F	5	0.1	3300	10M
PE10F	3	0.1	3300	10M
PE15F	2	0.1	3300	10M
PE20F	0.9	0.1	3300	10M

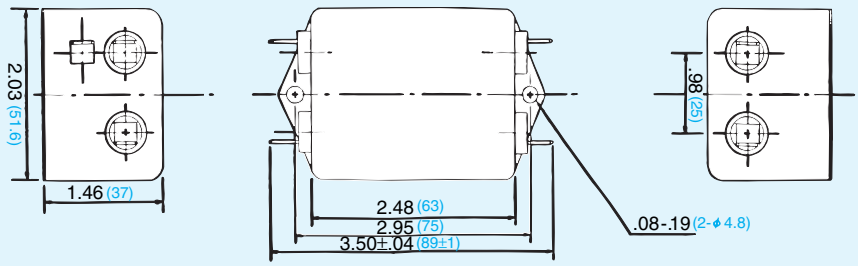
FEATURES

- Both common mode and normal mode are high noise rejection
- Low leakage current: 1mA max
- .250 Faston terminals

APPLICATIONS

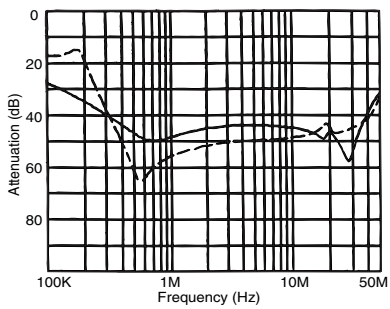
- Digital electronic equipment, measuring control equipment, small electronic equipment and peripherals, etc.

DIMENSIONS

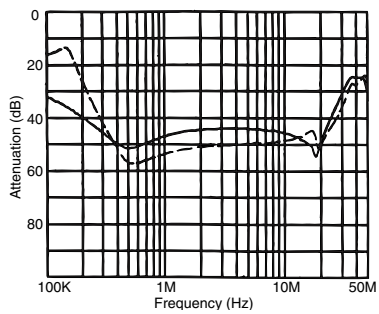


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

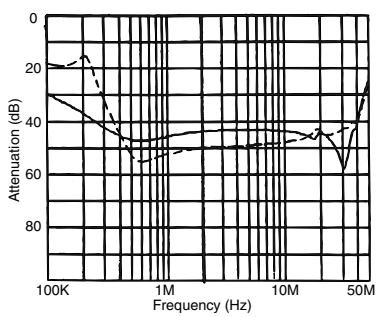
PE05F (5 AMP)



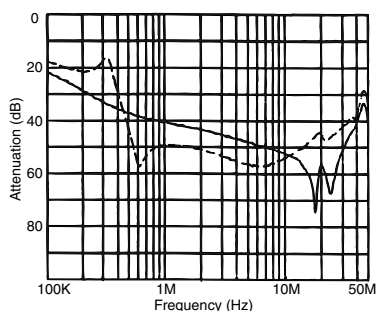
PE10F (10 AMP)



PE15F (15 AMP)



PE20F (20 AMP)



SPECIFICATIONS

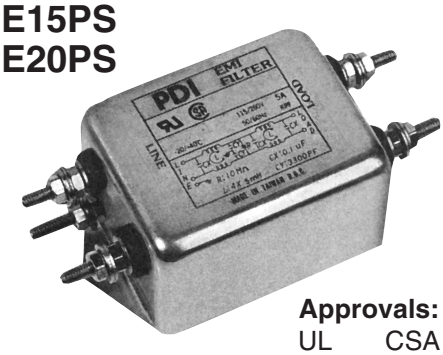
MODEL NO.	PE05F	PE10F	PE15F	PE20F
Rated Voltage	250V AC	250V AC	250V AC	250V AC
Rated Current	5A	10A	15A	20A
Leakage Current	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
Test Voltage Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.	0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise	35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation				
Normal Mode 30db MIN	0.32 ~ 43 MHz	0.28 ~ 28 MHz	0.35 ~ 40 MHz	0.47 ~ 40 MHz
Common Mode 30db MIN	0.32 ~ 40 MHz	0.20 ~ 25 MHz	0.25 ~ 40 MHz	0.90 ~ 40 MHz

Specifications subject to change without notice.
(Metric dimensions are shown in parentheses.)

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

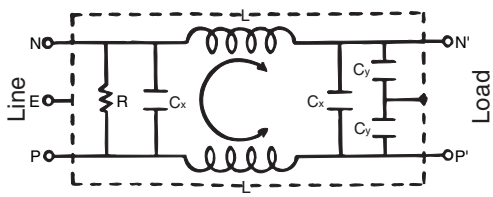
PDI® Power Dynamics, Inc.

PE05PS
PE10PS
PE15PS
PE20PS



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 2	Cx (μF)x 2	Cy (pF) x 2	R (ohm)
PE05PS	5	0.1	3300	10M
PE10PS	3	0.1	3300	10M
PE15PS	2	0.1	3300	10M
PE20PS	0.9	0.1	3300	10M

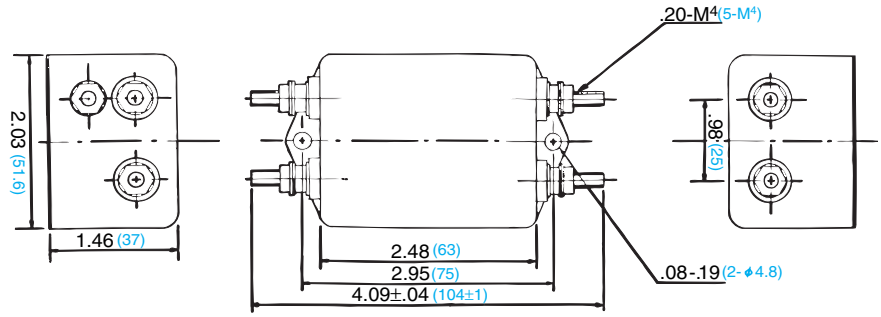
FEATURES

- Both common mode and normal mode are high noise rejection
- Low leakage current: 1mA max
- Screw output terminals M-4

APPLICATIONS

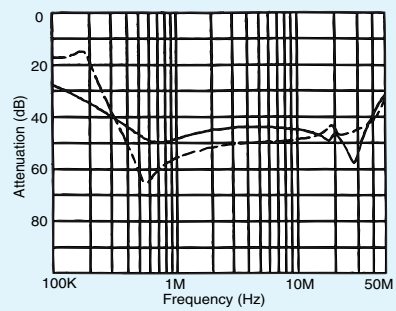
- Digital electronic equipment, measuring control equipment, small electronic equipment and peripherals, etc.

DIMENSIONS

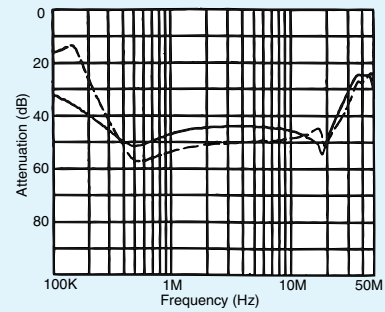


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

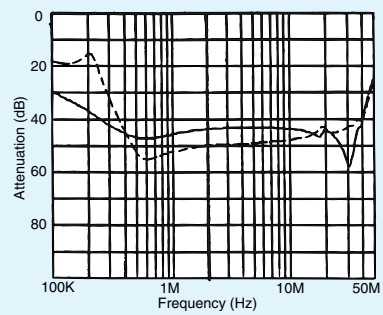
PE05PS (5 AMP)



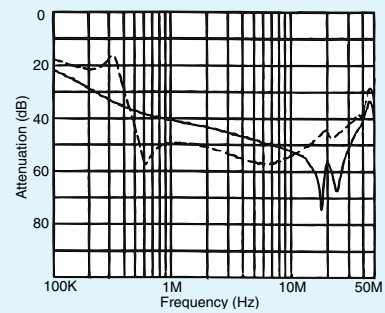
PE10PS (10 AMP)



PE15PS (15 AMP)



PE20PS (20 AMP)



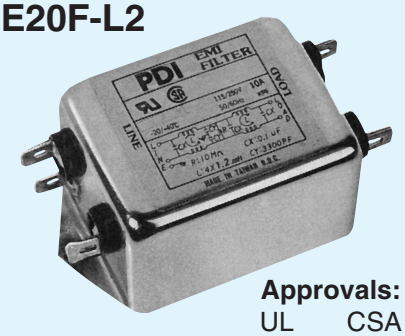
SPECIFICATIONS

MODEL NO.		PE05PS	PE10PS	PE15PS	PE20PS
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		5A	10A	15A	20A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation					
Normal Mode 30db MIN		0.32 ~ 43 MHz	0.28 ~ 28 MHz	0.35 ~ 40 MHz	0.47 ~ 40 MHz
Common Mode 30db MIN		0.32 ~ 40 MHz	0.20 ~ 25 MHz	0.25 ~ 40 MHz	0.90 ~ 40 MHz

Specifications subject to change without notice.
(Metric dimensions are shown in parentheses.)

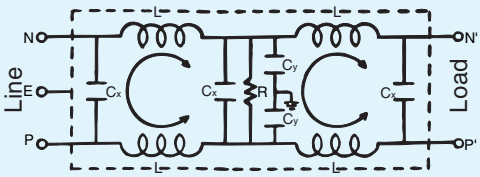
Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

PE05F-L2
PE10F-L2
PE15F-L2
PE20F-L2



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 4	Cx (µF)x 3	Cy (pF) x 2	R (ohm)
PE05F-L2	5	0.1	3300	10M
PE10F-L2	1.2	0.1	3300	10M
PE15F-L2	0.9	0.1	3300	10M
PE20F-L2	0.5	0.1	3300	10M

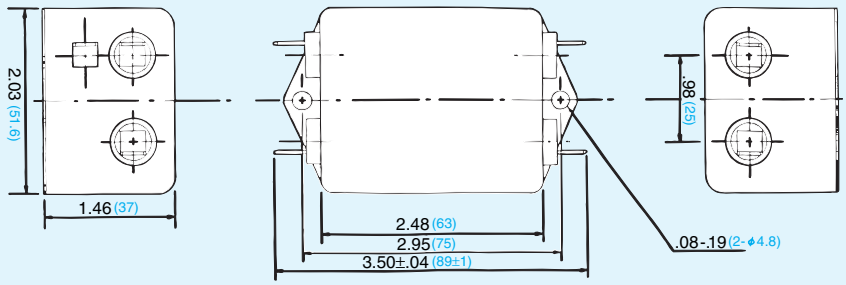
FEATURES

- Two stage filters designed to provide high performance in suppressing both line-to-line and line-to-ground noise for most digital electronic equipment
- Low leakage current: 1mA max
- .250 Faston terminals

APPLICATIONS

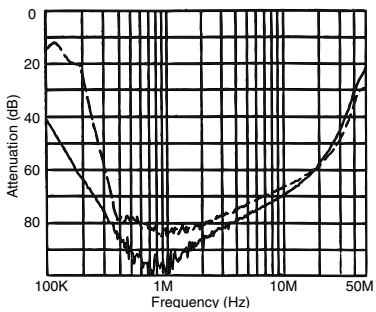
- Digital electronic equipment, measuring control equipment, small electronic equipment and peripherals, etc.

DIMENSIONS

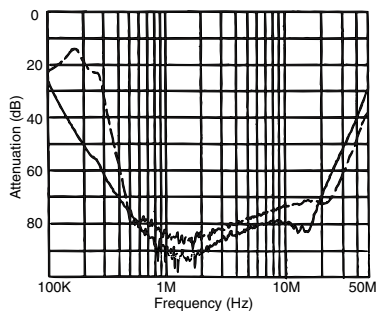


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

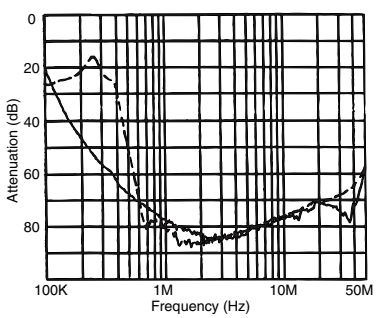
PE05F-L2 (5 AMP)



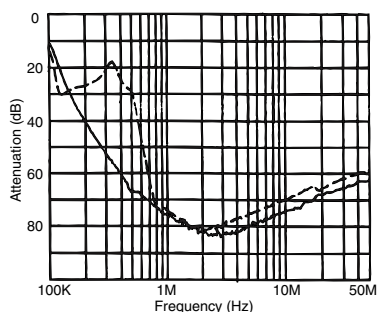
PE10F-L2 (10 AMP)



PE15F-L2 (15 AMP)



PE20F-L2 (20 AMP)



SPECIFICATIONS

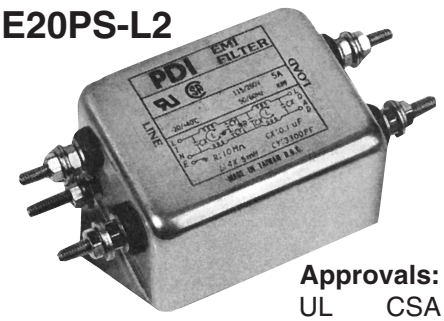
MODEL NO.		PE05F-L2	PE10F-L2	PE15F-L2	PE20F-L2
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		5A	10A	15A	20A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation					
Normal Mode 50db MIN		0.30 ~ 18 MHz	0.40 ~ 30 MHz	0.55 ~ 47 MHz	0.47 ~ 40 MHz
Common Mode 50db MIN		0.18 ~ 18 MHz	0.30 ~ 25 MHz	0.30 ~ 48 MHz	0.90 ~ 40 MHz

Specifications subject to change without notice. (Metric dimensions are shown in parentheses.)

145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com

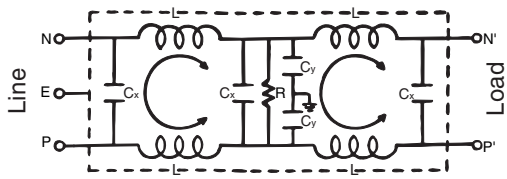
PDI® Power Dynamics, Inc.

PE05PS-L2
PE10PS-L2
PE15PS-L2
PE20PS-L2



Approvals:
UL CSA
(VDE submitted)

Circuit



PART NO.	L(mH) x 4	Cx (µF)x 3	Cy (pF) x 2	R (ohm)
PE05PS-L2	5	0.1	3300	10M
PE10PS-L2	1.2	0.1	3300	10M
PE15PS-L2	0.9	0.1	3300	10M
PE20PS-L2	0.5	0.1	3300	10M

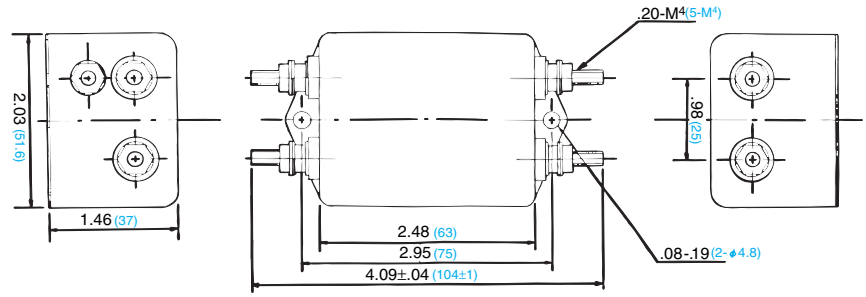
FEATURES

- Two stage filters designed to provide high performance in suppressing both line-to-line and line-to-ground noise for most digital electronic equipment
- Low leakage current: 1mA max
- Screw output terminals M-4

APPLICATIONS

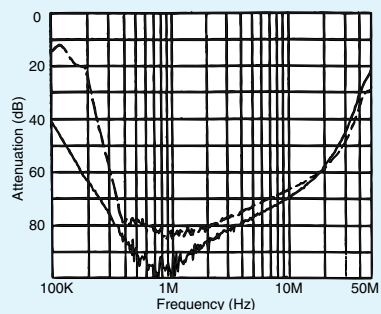
- Digital electronic equipment, measuring control equipment, small electronic equipment and peripherals, etc.

DIMENSIONS

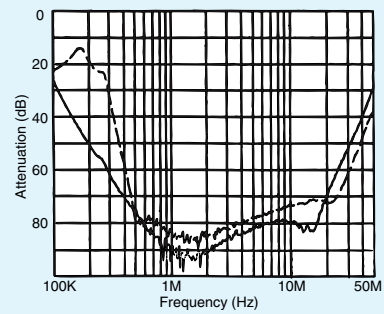


ATTENUATION IN 50 OHM-50 OHM CIRCUIT ACCORDING CISPR

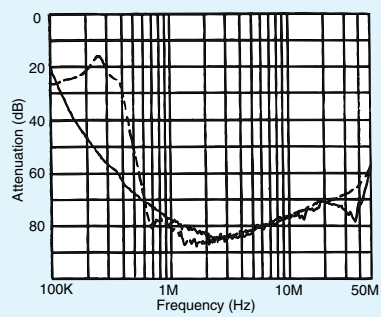
PE05PS-L2 (5 AMP)



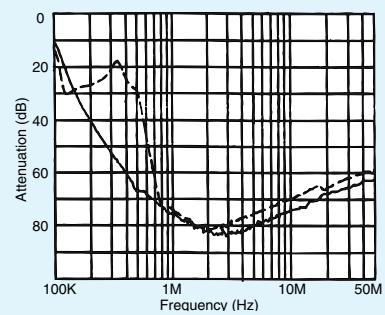
PE10PS-L2 (10 AMP)



PE15PS-L2 (15 AMP)



PE20PS-L2 (20 AMP)



SPECIFICATIONS

MODEL NO.		PE05PS-L2	PE10PS-L2	PE15PS-L2	PE20PS-L2
Rated Voltage		250V AC	250V AC	250V AC	250V AC
Rated Current		5A	10A	15A	20A
Leakage Current		1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz	1mA 250V, 60 Hz
Test Voltage	Line to Line	1450V DC	1450V DC	1450V DC	1450V DC
	Line to Ground	2250V DC	2250V DC	2250V DC	2250V DC
Insulation Resistance		6000MΩ MIN	6000MΩ MIN	6000MΩ MIN	6000MΩ MIN
Direct Current Resis.		0.3Ω MAX	0.15Ω MAX	0.1Ω MAX	0.05Ω MAX
Temperature Rise		35°C MAX	35°C MAX	35°C MAX	35°C MAX
Operating Temp.		–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C	–25 ~ +85°C
Attenuation					
Normal Mode 50db MIN		0.30 ~ 18 MHz	0.40 ~ 30 MHz	0.55 ~ 47 MHz	0.68 ~ 40 MHz
Common Mode 50db MIN		0.18 ~ 18 MHz	0.30 ~ 25 MHz	0.30 ~ 48 MHz	0.40 ~ 50 MHz

Specifications subject to change without notice.
(Metric dimensions are shown in parentheses.)

PDI® Power Dynamics, Inc.
145 Algonquin Parkway, Whippany, NJ 07981 • 973-560-0019 • FAX: 973-560-0076
e-mail: sales@powerdynamics.com • www.powerdynamics.com